DOCUMENT RESUME

ED 255 123 HE 018 175

TITLE	Higher Education Enrollment Forecasts. Washington State 1985-87 Biennial Budget.
INSTITUTION	Washington State Office of Financial Management, Olympia.
PUB DATE	Jan 85
NOTE	66p.
PUB TYPE	Statistical Data (110) -- Reports - Descriptive (141)
EDRS PRICE	MF01/PC03 Plus Postage.
DESCRIPTORS	Age Groups; College Freshmen; *College Students; College Transfer Students; *Community Colleges; Demography; Enrollment Projections; *Enrollment Trends; Females; *Higher Education; Males; *Prediction; Private Colleges; School Holding Power; *State Colleges
IDENTIFIERS	Central Washington University; Eastern Washington University; Evergreen State College WA; Public Colleges; Student Flow Model; University of Washington; *Washington; Washington State University; Western Washington University

ABSTRACT

College enrollment forecasts for fall 1985 and 1986 and trends during 1979-1984 are presented for Washington State. Enrollment information is provided on the community college and four-year systems, as well as for five four-year institutions. The two forecasting methods are reviewed: an opportunity model, which projects college enrollment participation rates by age and sex; and a student flow model, which projects admission and retention patterns. Consideration is also given to issues related to the declining numbers of the traditional college age group, the relationship between the declining number of college-age persons and admissions standards, and increased competition for recruiting 17- to 22-year olds. Six assumptions for enrollment forecasting by age group and a statement of risks of enrolling above/below forecasted levels are included. Data for the two- and four-year systems and for the individual institutions cover: average annual headcount and full-time equivalents; actual and projected enrollments for freshmen, transfer, and continuing students; and male and female enrollments by age groups. Appendices include data on the variance of actual from budget targets for enrollment by institution. (SW)

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HIGHER EDUCATION ENROLLMENT FORECASTS WASHINGTON STATE 1985-87 BIENNIAL BUDGET

OFM
OFFICE OF FINANCIAL MANAGEMENT
Booth Gardner, Governor
Orin C. Smith, Director

JANUARY 1985

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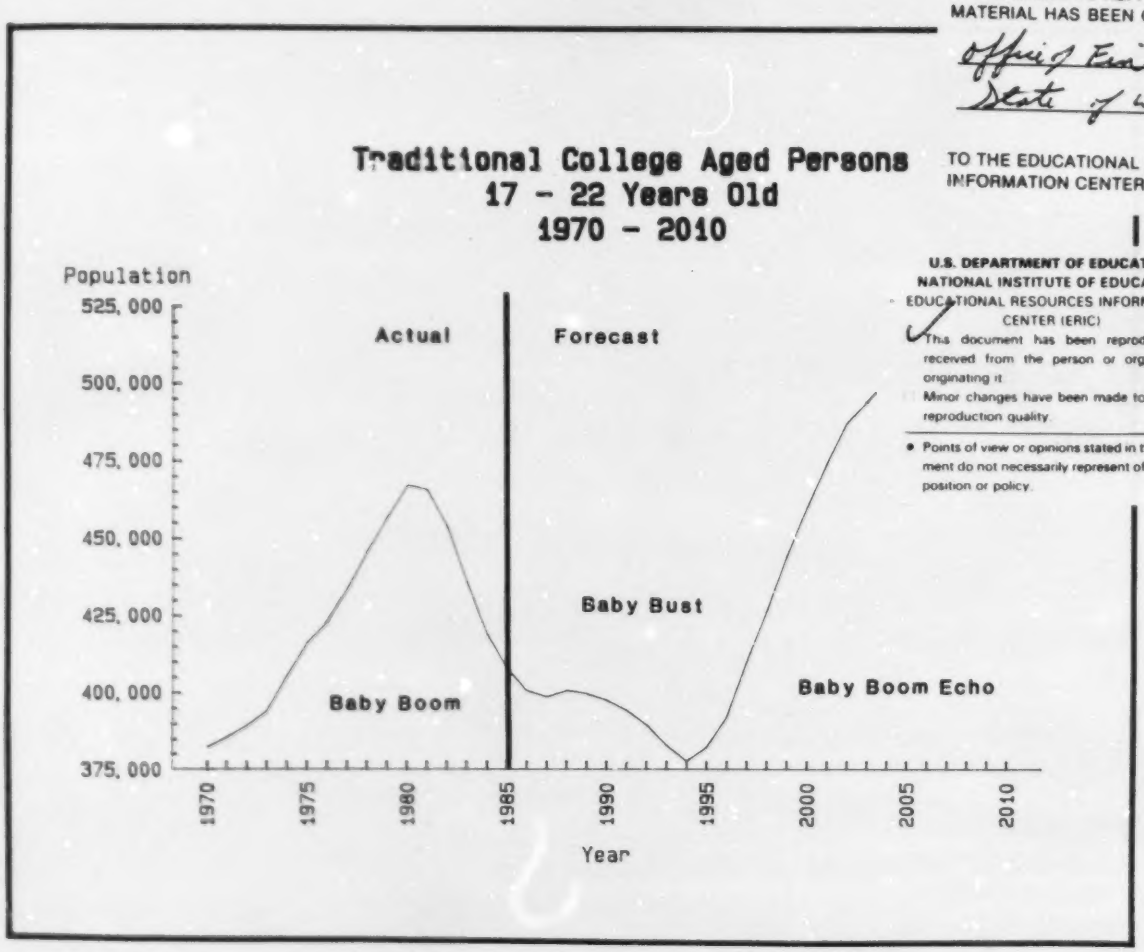

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OFM
OFFICE OF FINANCIAL MANAGEMENT
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PUBLISHED BY
OFFICE OF FINANCIAL MANAGEMENT
POLICY ANALYSIS AND FORECASTING DIVISION

Olympia, Washington
January 1985

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SECTION ONE

SECTION ONE

INTRODUCTION

Higher education accounts for approximately 15.6 percent of the total general fund. Higher education budgets, faculty and staff patterns, physical plants, and scholastic standards are inextricably related to enrollment. Therefore, reasonably detailed and reliable enrollment forecasts are necessary to help plan for the future.

Higher education enrollment growth has been closely tied to the long term demographic trends of this state. Large enrollment growth occurred during the late 1960s and 1970s due to the baby boom generation reaching college age. Unprecedented growth in the rates of attendance among women and minorities also contributed to the rapid growth in higher education enrollment during those decades. Now higher education is facing a ten year decline in the traditional college age group. This demographic trough, the baby bust, lies between the baby boom and their children who make up a baby boom echo. This baby boom echo, which is of greater magnitude than the baby boom, will significantly impact the higher education system beginning in 1995. The size of the traditional college age group will grow 37 percent — an increase of 139,000 persons — between 1995 and 2010 when the baby boom echo reaches its peak.

The forecast presented in this report reflects the interaction of two forecasting methods: an opportunity model, which projects higher education enrollment participation rates by age and sex; and a student flow model, which projects admission and retention patterns.

The major conclusion of the forecasts is that higher education enrollment, both at the four-year schools and the community colleges, should remain stable during the ensuing biennium. The decline in the traditional student age population (17 to 22 year olds) is the major factor influencing the stable enrollment forecast. Although enrollment is stable, the forecast assumes a slight increase in educational opportunity (i.e., the number of persons enrolled at an institution of higher education in relation to the number of traditional college age persons).

The boom-bust-boom demographic cycle in the traditional college age persons presents numerous challenges. The challenge in higher education in the next ten years is how to maintain the stability and quality of our higher education system during the "bust" portion of the cycle, and also be prepared for the impact of a substantially larger traditional college age population when the "baby boom echo" begins in 1995.

SECTION TWO

SECTION TWO

HIGHER EDUCATION SYSTEM FORECAST SUMMARY AND ASSUMPTIONS

The enrollment for the four-year school system and the community college system is forecasted at 152,507 FTEs for the first year of the biennium and 152,573 FTEs for the second year. The four-year school system is forecasted at 69,207 FTEs for the first year of the biennium and 69,273 FTEs for the second year. The community college system is forecasted at 83,300 FTEs for both years.

This forecast is very close to the FY 1985 budgeted FTE enrollment of 152,570 FTEs and represents a stabilization of higher education enrollments. The forecast is down 63 FTEs the first year and is 3 FTEs over FY 1985 levels the second. Table 1 shows the annual average FTEs for the four-year schools and the community colleges from FY 1983 through FY 1987. Figure 1 illustrates more clearly the "maintenance of current levels" forecast presented here, and shows there is little difference from FY 1985 through FY 1987.

This "stability" forecast is recommended because the target populations of 17 to 22 year olds and 23 to 29 year olds are declining. This declining demographic base allows for a stabilization of enrollment levels without reducing the opportunity for a postsecondary education, and without causing undue stress on the operations of student admissions or retention. In fact, it will be possible to admit 1,527 more persons in FY 1986 and 2,329 more persons in FY 1987 than if the participation rates for FY 1985 were held constant.

The forecast does include two shifts in enrollment levels between schools while maintaining system stability. These are:

- Washington State University decreases 150 FTEs in FY 1986 and then maintains that level for FY 1987. This decrease should ease the pressure on a weakening freshman admissions pattern at that institution due to its heavy reliance on the traditional student age population, which is now declining.

- The Evergreen State College increases 59 FTEs in FY 1986 and 50 FTEs in FY 1987. These increases are consistent with the policy to have more cost effective enrollment levels at that college.

Assumptions Used in Forecast

This forecast is based on the following assumptions and issues:

- The declining number of 17 to 22 year olds in Washington State is likely to result in a declining number of persons in this age group enrolled in the higher education system.

- The declining participation rates for 23 to 29 year olds and for persons 30 and older are likely to stabilize at the FY 1985 levels.

- The stabilization of higher education enrollments will not cause abrupt cutbacks in admission, transfer, or retention patterns.

- The forecasted participation rate for 17 to 22 year olds of 11.39 per 100 persons in this age group, is at an historically high level. If this level is exceeded, it should be based on a clear policy decision.

- Higher education planning for the ensuing and future biennia should consider the impact of the current baby bust and the baby boom echo which will begin in 1995.

Results of the Forecast

Stable higher education enrollment levels, during a period of demographic decline for the traditional 17 to 22 year old college student:

- Provides increasing opportunity for higher education in Washington State.
  - The opportunity for graduating high school seniors increases slightly.
  - A six year decline in the enrollment of 23 - 29 year old students is stabilized.
  - Opportunity levels for students aged 30 and over are maintained.
- Ensures that admission patterns are not disrupted for the universities and colleges.
  - Freshman admissions will drop about 5.5 percent. However, because the population of 17 to 22 year olds is declining faster than admissions, the participation rate in this age group is actually increasing.
  - Transfers from community colleges are maintained at the highest level in the past five years.
  - Transfers among the four-year schools are expected to remain at the six year average level.
  - Admission and transfer patterns are maintained at the six year average level for out of state students.
- Provides an opportunity to focus on the enhancement of educational quality in our institutions of higher education.
- Retains a balanced utilization of higher educational facilities statewide.

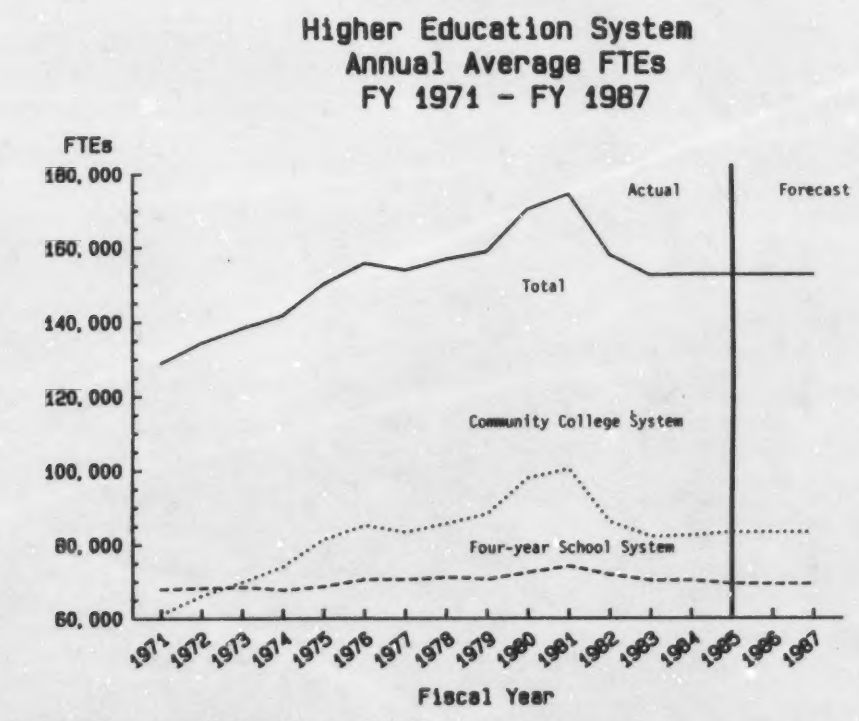
TABLE 1

HIGHER EDUCATION SYSTEM TOTAL
ANNUAL AVERAGE FTEs

	Actual		Budget Level	Forecast	
	FY 1983	FY 1984	FY 1985	FY 1986	FY 1987
University of Washington*	29,850	29,772	29,597	29,616	29,624
Washington State University*	16,467	16,144	16,102	15,966	15,974
Central Washington University	5,949	6,068	5,955	5,950	5,950
Eastern Washington University	7,126	7,220	7,000	7,000	7,000
The Evergreen State College	2,267	2,365	2,366	2,425	2,475
Western Washington University	8,525	8,605	8,250	8,250	8,250
Four-year Total*	70,184	70,174	69,270	69,207	69,273
Community College System	82,110	82,428	83,300	83,300	83,300
Higher Education System Total*	152,294	152,602	152,570	152,507	152,573

*Includes the Richland Joint Center for Graduate Studies

FIGURE 1



Source: Four-year Universities and College
OFM/PAF 1/85

SECTION THREE

REVIEW OF FORECAST MODELS

Two methodologies are used to generate the stable enrollment forecast for the public four-year universities and college: the participation rate model and the student flow model. The community college system maintains less information on applicants, so only a participation rate model is used at this time.

The participation rate model is based upon the relationship between the number of persons, by age and sex, who are enrolled in the higher education system and the size of their corresponding demographic groups. Currently, about 11 percent of persons 17 to 22 years old in Washington State are enrolled in a public four-year school. Using this method, enrollment is forecasted with the projected number of persons 17 to 22 years old, and the assumed level of opportunity that will be provided in the state for higher education. For example, it is assumed that the "level of opportunity," or participation rate, will be allowed to remain at 11 percent of persons aged 17 to 22. Then, based on the projected changes in the pool of persons 17 to 22 years old, the enrollment levels are calculated. If the pool of 17 to 22 year olds increased, the projected enrollment for that age group would increase; if it decreased, the enrollment would decrease.

The student flow model is sensitive to the management and composition of a school's enrollment. The model focuses on the number of persons currently in school, on the probability that they will remain in school, and on the number of new and transfer students that will be admitted. Tradition, experience, and policy have provided the existing balance between each of the factors in the student flow model. These factors are then used to forecast the future balance between each of the components.

The participation rate methodology can be defined as a demand forecast. That is, if the target population increases or decreases, the demand for higher education will increase or decrease. The student flow methodology considers operational decisions regarding the various admission and student retention patterns. Periods in which the higher education target populations are changing significantly —as is happening now — can result in a difference between the two models. For instance, if participation rates were held constant in the ensuing biennium, the forecast for higher education enrollment would show a decline. Difficult decisions would need to be made on where the reductions in student flow might occur. Would there be a reduction in freshman entrances? Or would community college and four-year school transfers be cut? The purpose of using both models is to provide a balanced perspective on the higher education system and to minimize abrupt change in either higher education opportunity or student flow.

I. Mechanics of the Participation Rate Model

The participation rate model calculates the historical levels and assumes future opportunity levels (i.e., that portion of the higher education target population who is enrolled). For instance, in the fall of 1984 46,002 persons age 17 to 22 years old were enrolled in our four-year schools, yielding a participation rate of 10.98. A rate of 10.98 means that about 11 percent of persons aged 17 to 22 years old in Washington were attending a four-year

school. Participation rates are tracked for males and females in the following age groups, and are shown in Table 1:

- 17 to 22 - The traditional college bound age group. This group makes up 59 percent of the four-year school enrollment. Most of these students are in the freshman to senior classification.

- 23 to 29 - The graduate and professional student age group. This group makes up 25 percent of the four-year school enrollment. Notice that male participation rates are higher than the female rates in this age group.

- 30 and older - Retraining, older graduate and professional students, and the recreational student. This group makes up 16 percent of the four-year school enrollment.

Table 2 provides a summary of the participation rate model forecast. The top portion shows the actual number of students who were enrolled in the four-year school system each fall between 1979 and 1984. The "AA FTEs" is the annual average of the full-time equivalent students (FTEs). The FTEs take into account the students who graduate or drop out of college over the course of a year, and the mixture of part-time and full-time students. A full-time equivalent undergraduate student represents one person taking a course load of 15 undergraduate class hours each week of the quarter or semester. A full-time graduate student represents one person taking a course load of 9 graduate class hours each week of the quarter or semester. The total FTE count is the sum of the graduate and undergraduate FTEs.

The bottom portion of Table 2 shows the actual and forecast participation rates for each of the age/sex categories. Two important observations regarding participation rates are:

1. The participation rates decrease substantially as age increases. Persons 17 to 22 years old are about 3 times more likely to be enrolled as persons 23 to 29 years old, and about 20 times more likely to be enrolled than persons over 30.

2. The participation rates for 17 to 22 year olds are forecasted to increase from 10.98 per 100 in the fall 1984 to 11.39 in the fall 1986. Yet the actual number of students is forecasted to decline from 46,002 in the fall 1984 to 45,624 in the fall 1986. The increase in the participation rate (or opportunity level) at the same time that the actual number of students is projected to decrease is possible because the size of the target population of 17 to 22 year olds is projected to decline.

TABLE 2

Public 4-Year Institutions

Participation Rate Forecast

(Current FY 1985 budget levels carried forward and rounded, WSU assumed to decline 150 FTE's and TESC to increase)

	Actual						Forecast	
Headcount	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	23727	24271	23495	23320	23679	23354	23229	23157
Age 23 to 29	13590	13174	12725	12324	11949	11652	11560	11481
Age 30 and older	5563	5482	5151	5165	5633	5928	6078	6237
Female								
Age 17 to 22	23152	23837	23500	22875	22647	22648	22538	22467
Age 23 to 29	9083	9064	8595	7958	7757	7619	7540	7483
Age 30 and older	6921	6868	6174	6055	6427	6993	7163	7343
Total								
Age 17 to 22	46879	48108	46995	46195	46326	46002	45767	45624
Age 23 to 29	22673	22238	21320	20282	19706	19571	19100	18964
Age 30 and older	12484	12350	11325	11220	12060	12921	13241	13580
AA FTE's								
Subtotal	72487	74164	71768	70012	69966	69067 *	68975	69025
Richland Joint Center					198	204	232	248
Total					70164	69271	69207	69273

* FY 1985 budgeted enrollment assumption.

Participation Rates

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	10.09	10.09	9.80	10.00	10.60	10.89	11.13	11.29
Age 23 to 29	5.11	4.70	4.40	4.22	4.11	3.99	3.99	3.99
Age 30 and older	0.59	0.56	0.51	0.50	0.53	0.54	0.54	0.54
Female								
Age 17 to 22	10.45	10.52	10.42	10.38	10.67	11.08	11.31	11.50
Age 23 to 29	3.52	3.34	3.08	2.85	2.80	2.76	2.76	2.76
Age 30 and older	0.68	0.65	0.56	0.54	0.56	0.60	0.60	0.60
Total								
Age 17 to 22	10.26	10.30	10.10	10.18	10.63	10.98	11.22	11.39
Age 23 to 29	4.33	4.03	3.75	3.55	3.47	3.39	3.39	3.39
Age 30 and older	0.64	0.60	0.53	0.52	0.55	0.57	0.57	0.57

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II. Mechanics of the Student Flow Model

The student flow model measures historical levels, and assumes future changes, in student flow operations such as freshman admissions, community college transfers, out of state transfers, and the rate at which students continue in school (retention rate).

Table 3 illustrates the results of the student flow model for the public four-year school system. Student flow rates are provided for each of the major components of enrollment including:

- Freshman admissions - in state
- Freshman admissions - out of state
- Community college transfer - in state
- Four-year institution transfer - in state
- College transfer - out of state
- Returning former students
- Continuing students.

For each component of change a rate is calculated based on the proportion of higher education entrances from the appropriate population base. For instance, in the fall of 1984, 8,745 of the 54,686 prior years Washington state high school seniors enrolled at a four-year school, yielding a rate of 16 percent.

As with the participation rate model, all calculations are performed on the fall headcounts. The headcount data are then translated into annual average FTEs for budget purposes. The annual average FTEs forecasted by the student flow model equals the annual average FTEs produced by the participation rate forecast.

An important observation regarding the student flow model is the student compositon of the four-year school system. Based on the budget fall 1984 headcount of 78,194 students:

62.4% are continuing students,

12.8% are freshman admissions,

9.6% are new transfer students from other four-year schools,

6.1% are new transfer students from community colleges, and

9.1% are returning former students.

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TABLE 3

Public 4-year Total

Student Flow Forecast

(Current FY 1985 budget levels carried forward and rounded,
WSU assumed to decline 150 FTE's and TESC to increase)

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
FRESHMAN ENTRANCES	10818	10532	9721	9807	9876	10042	9641	9738
WA High Schools	9343	9159	8760	8743	8715	8745	8429	8514
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.1540	0.1524	0.1471	0.1473	0.1544	0.1599	0.1530	0.1531
Out of State High Schools	1475	1373	961	1064	1161	1297	1212	1224
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0243	0.0228	0.0161	0.0179	0.0206	0.0237	0.0220	0.0220
TRANSFERS	15012	13032	11266	11126	11982	12254	12875	12828
WA Community Colleges	4761	4795	4428	4154	4592	4755	4751	4710
Community College Academic AA FTE's	37619	40927	42672	39208	38076	38080	38053	37734
Rate	0.1266	0.1172	0.1038	0.1059	0.1206	0.1249	0.1249	0.1248
WA Four Year Institutions	4323	3366	2867	3101	3227	3281	3464	3460
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0544	0.0410	0.0347	0.0389	0.0415	0.0420	0.0443	0.0443
Out of State Institutions	5928	4871	3971	3871	4163	4218	4660	4658
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0746	0.0594	0.0480	0.0486	0.0536	0.0540	0.0596	0.0596
CONTINUING STUDENTS	48250	49446	50302	49591	48975	48799	48452	48450
Continuing Students	48250	49446	50302	49591	48975	48799	48452	48450
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.6070	0.6027	0.6083	0.6227	0.6303	0.6249	0.6196	0.6203
MISCELLANEOUS	7956	9686	8351	7173	7259	7099	7140	7152
Former Students	4565	6544	6103	5521	5371	5489	5477	5490
Unknown	3391	3142	2248	1652	1888	1610	1663	1662
FALL HEADCOUNT	82036	82696	79640	77697	78092	78194	78108	78168
AA FTE'S To Fall Heads Rate	0.8836	0.8968	0.9012	0.9011	0.8959	0.8833	0.8831	0.8830
ANNUAL AVERAGE FTE'S								
Subtotal	72487	74164	71768	70012	69966	69067	68975	69025
Richland Joint Center					198	204	232	248
Total					70164	69271	69207	69273

SECTION FOUR

CRITICAL ISSUES

I. Declining Number of Persons in the Traditional College Age Group

There is considerable variation in the size of the three age groups that characterize higher education. Figures 2 and 3 summarize the historical and projected size of these three groups. The groups include: the traditional college age group of 17 to 22 year olds, relatively heavy consumers of higher education; the graduate and professional student age group of 23 to 29 year olds, moderate consumers; and the older, retraining, and graduate and professional students over 30, very light consumers.

The traditional college age group is moving through a boom-bust-boom demographic cycle as illustrated in Figure 2. Between 1970 and 1980, the baby boom generation, persons born after World War II and during the 1950s, matured into the traditional college ages. During this ten year period, the traditional college age group increased by 84,850 or 22 percent. This traditional college age group is now in a decline phase, beginning in 1980 and projected to run through 1995. Between 1980 and 1995, the traditional college age group is projected to decrease by 89,400. Starting in 1995, the traditional college age group will enter the next boom phase, the baby boom echo. The baby boom echo will have an even greater impact on the higher education system than the baby boom. By 2010, the traditional college age group will have increased by 139,000 persons, 37 percent, over the 1995 population.

Those in the over 30 age group will continue to increase through the next several decades. This large increase is due to the baby boomers aging into this older group. Although the increases are dramatic, it should be noted that this group consumes higher education at about 1/20 of the rate that the traditional college age group participates. Those 23 to 29 year olds show comparatively little variation, and, therefore, do not present a significant demographic problem.

The immediate concern is the decline of the heaviest group of consumers, 17 to 22 year olds. As the four-year schools have experienced the downhill side of the baby boom and entered the baby bust phase, there has been a corresponding increase in the participation rates for this group. Figure 4 displays this relationship. Between Fall 1981 and Fall 1984, the 17 to 22 year old population declined by 46,472 persons. During this same period the participation rate increased from 10.10 to 10.98 students per 100 persons aged 17 to 22. Increasing participation rates during a period of population decline ensured that freshman entrances remained stable. If the participation rate for 17 to 22 year olds remained at the 1981 level of 10.10 students per 100 persons 17 to 22, there would have been 3,688 fewer persons enrolled in the four-year school system in fall 1984.

The trade-off between the decline in the traditional college age group and increasing participation rates is dramatic. If the participation rate of 17 to 22 year olds is held at the fall 1984 level of 10.98 per 100, the number of 17

FIGURE 2

Traditional College Aged Persons
17 - 22 Years Old
1970 - 2010

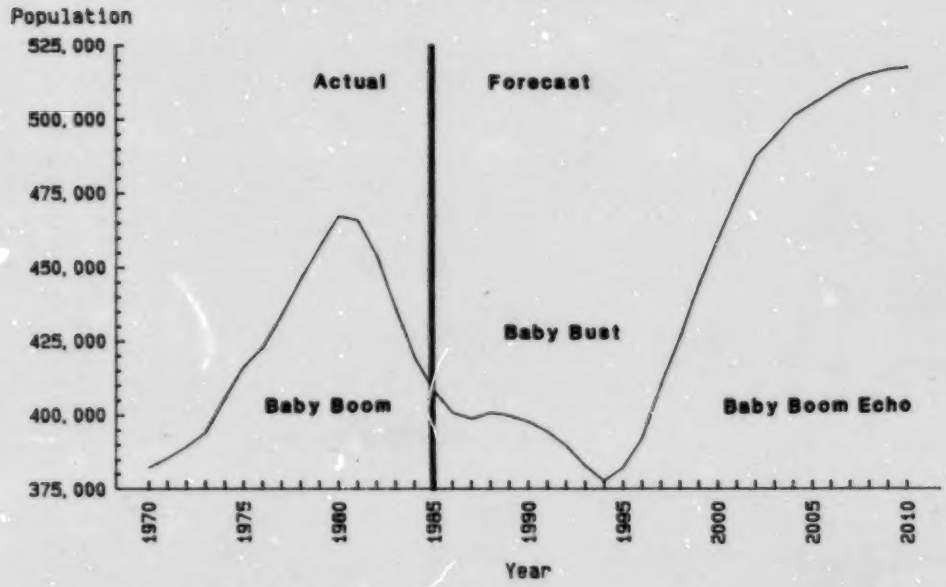
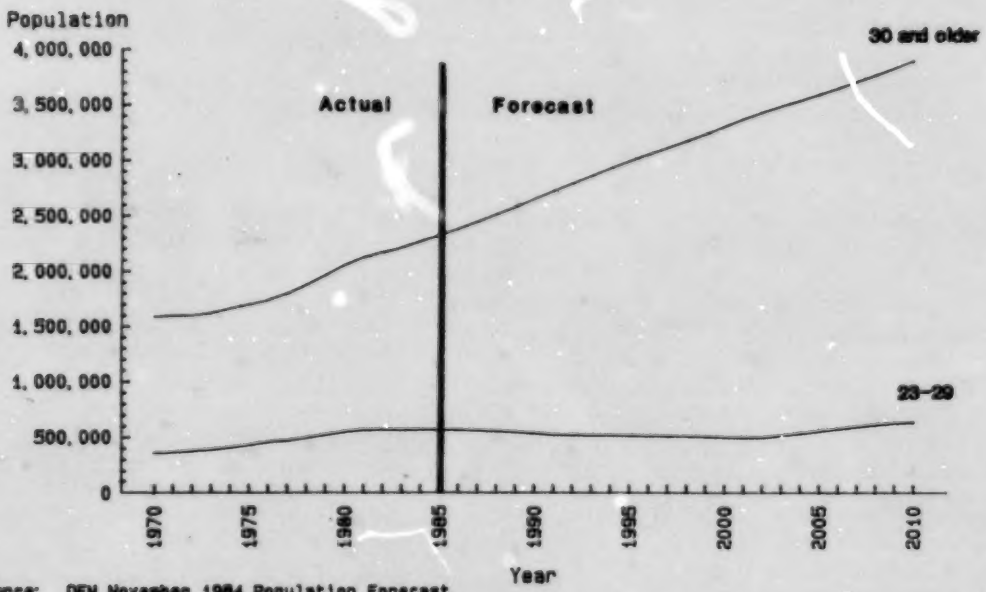


FIGURE 3

Older Higher Education Target Populations
1970 - 2010



Source: OFM November 1984 Population Forecast
OFM 1970 - 1980 Intercensal Estimates

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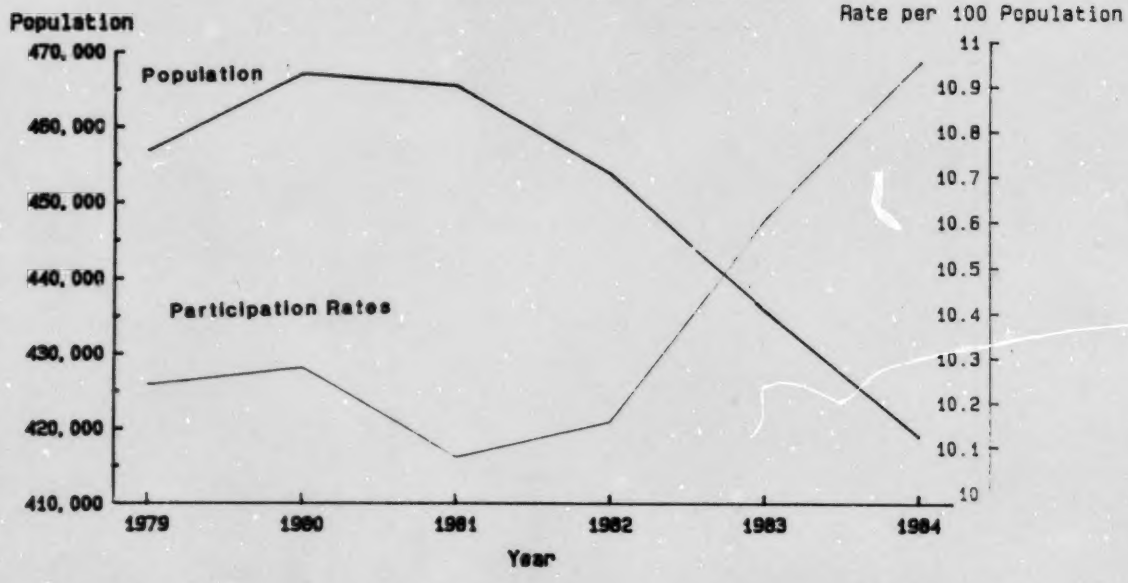
to 22 year olds in the four-year school system would decline by 4,533 by 1994. And if the number of 17 to 22 year olds was kept at the 46,002 number present in fall 1984, the participation rate would increase to 12.18 in 1994.

The longer range dilemma over participation rates is directly related to the baby boom echo. If the rate of 12.18 per 100 traditional college age persons became a public expectation, the number of 17 to 22 year old students could be expected to increase to 55,989 by 2000, and 62,971 by 2010.

FIGURE 4

Population and Participation Rates
17 - 22 Year Olds
Fall 1979 - Fall 1984



Source: Four-year Universities and College

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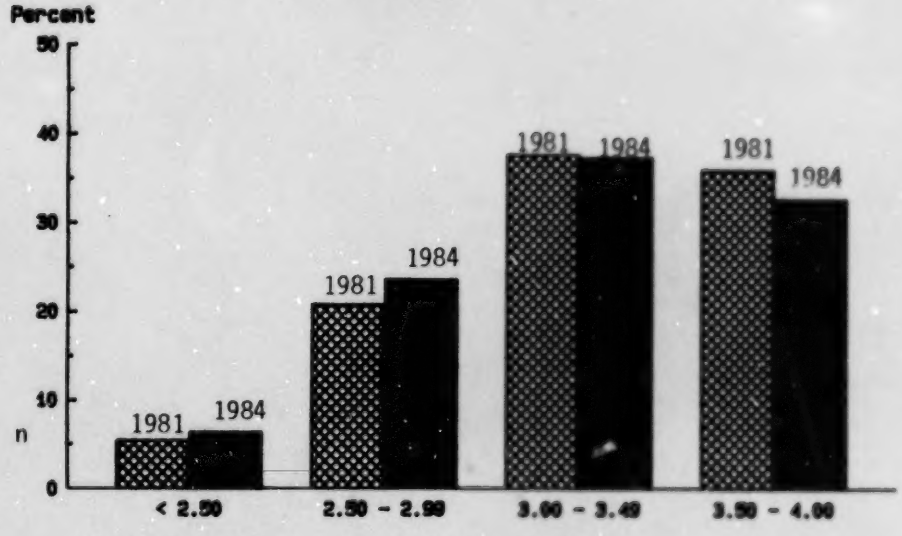
II. Relationship Between the Declining Number of College Age Persons and Admission Standards

The trend of increasing participation rates for a declining pool of 17 to 22 year olds raises the concern regarding admission standards. Admissions standards, with some variation among schools, require that entering freshman have at least a 2.5 grade point average (GPA). Since 1981, as participation rates for 17 to 22 year olds have increased, the percentage of entering freshmen 3.5 or higher has dropped approximately 2 percent. During the same time, the percent of entering freshman below 2.5 has increased substantially at WSU; increased slightly at the UW, WWU, and TESC; and has decreased at CWU and EWU. See Table 4. Figure 5 illustrates the change in GPA for entering freshman from 1981 to 1984 for all four-year schools.

The relationship between increasing participation rates and the declining qualifications of entering freshman classes is not a proven one. An alternative explanation for increasing participation rates is that a larger percentage of qualified 17 to 22 year olds are choosing to apply and enroll. However, the recent changes in the qualifications of entering freshmen, particulary at WSU, should be monitored to determine if they are early indicators of a relationship between increasing participation rates and admission standards.

FIGURE 5

Percent Of Freshman Admissions By GPA Level
Four-year School System
Fall 1981 - Fall 1984



Source: Four-year Universities and College
OFM/PAF 1/85

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TABLE 4

Entering Freshmen
High School GPA Distribution

	Fall '81	Fall '82	Fall '83	Fall '84
Less than 2.00				
UW	0.9%	0%	0.4%	0.6%
WSU	0.4%	0.4%	0.4%	0.6%
CWU	4.1%	5.8%	2.1%	.1%
EWU	.7%	0.2%	0.1%	0.1%
TESC	3.1%	2.3%	5.5%	1.7%
WWU	0%	0%	0.5%	0.1%
2.00 - 2.49				
UW	3.0%	2.9%	2.9%	3.6%
WSU	1.6%	4.4%	5.3%	7.9%
CWU	15.8%	12.4%	11.6%	10.3%
EWU	11.4%	11.3%	8.8%	9.2%
TESC	13.3%	16.4%	12.3%	15.1%
WWU	.7%	1.8%	4.9%	1.7%
2.50 - 2.99				
UW	7.0%	8.6%	9.3%	9.6%
WSU	32.6%	35.3%	33.7%	34.3%
CWU	31.8%	26.5%	32.8%	33.6%
EWU	31.2%	34.6%	33.2%	34.4%
TESC	29.4%	23.4%	32.9%	25.0%
WWU	28.4%	27.7%	35.2%	35.3%
3.00 - 3.49				
UW	38.0%	37.9%	38.8%	40.0%
WSU	37.5%	35.1%	34.6%	34.5%
CWU	29.9%	33.0%	33.1%	33.6%
EWU	34.4%	32.9%	33.9%	33.0%
TESC	26.6%	44.5%	28.1%	35.5%
WWU	46.6%	45.7%	38.6%	39.9%
3.50 - 4.00				
UW	51.0%	50.6%	48.5%	46.1%
WSU	27.9%	24.8%	26.0%	22.7%
CWU	18.4%	22.4%	22.4%	21.7%
EWU	22.2%	21.0%	24.3%	23.2%
TESC	27.2%	13.3%	21.2%	22.7%
WWU	24.3%	24.8%	20.7%	23.0%

* It should be noted that a number of those with GPAs under 2.5 are Equal Opportunity Program candidates.

Source: Public Four-year Universities and College

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III. Increased Competition for the Declining Number of College Age Persons

The long term trend of a shrinking pool of 17 to 22 year olds affects the community college system as well as the four-year schools. This group is by far the heaviest consumer of education in the community colleges.

The community colleges compete with the military, employers, and four-year schools for a share of the 17 to 22 year old pool. Historically, the community colleges have attracted a lower percentage of 17 to 22 year olds than have the four-year schools. The participation rate for the four-year schools in 1983 was 10.6 students per 100 persons aged 17 to 22; the community college rate was 8.34. This relationship holds for all the years for which data was available for the community colleges. During the last four years as the four-year schools increased service to the younger age group, the community colleges showed a drop in service to that group.

The future distribution of 17 to 22 year olds between the four-year schools, community colleges, the military, and employers is not yet known. The forecasts for community colleges and four-year schools assume that the participation rates for 17 to 22 year olds will increase slightly, even though the pool of candidates is declining. The declining pool of candidates will increase the competition for individuals in the 17 to 22 year old age group. Given this increasing competition, these forecast assumptions may be optimistic. (See Table 5.)

TABLE 5

ENROLLMENT AND PARTICIPATION RATES FOR HIGHER EDUCATION SYSTEM

	Fall 1984*		Fall 1985**		Fall 1986**	
	No.	Rate	No.	Rate	No.	Rate
4 Year						
17 to 22	46,002	10.89	45,767	11.13	45,624	11.29
23 to 29	19,271	3.99	19,100	3.99	18,964	3.99
30+	12,921	.54	13,241	1.54	13,580	.54
AA FTEs	69,271		69,207		69,273	
CC						
17 to 22	36,661	8.75	36,237	8.88	35,730	8.92
23 to 29	21,339	3.76	21,145	3.76	20,994	3.76
30+	25,000	1.11	25,618	1.11	26,276	1.11
AA FTEs	83,300		83,300		83,300	

* Current budget
** Forecast

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SECTION FIVE

ASSUMPTIONS AND RISKS: IMPORTANCE OF FORECASTING ENROLLMENT BY AGE GROUP

In the preceding sections the issues related to rapidly changing population trends, increased competition for the recruitment of 17 to 22 year olds, and the risk of declining admission standards were presented. These issues, coupled with the enrollment trends listed below, provide the background assumptions for the development of stability forecast for higher education.

- Increasing participation rates during a period of declining population for 17 to 22 year olds:

  Between 1980 and 1984 the participation rate for 17 to 22 year olds has increased from 10.3 per 100 to 10.98 per 100. During the same period, the number of 17 to 22 year olds declined from 467,078 to 418,951 in 1984. The population of this group is expected to reach its low point in 1994 of 377,672.

- Declining participation rates for 23 to 29 year olds:

  The participation rate has steadily declined for this age group between 1979 and 1984. In 1979, 4.3 students per 100 were enrolled in four-year schools. By 1984, the rate had declined to 3.4 students per 100 persons in this age group.

- Declining participation rates for persons 30 and older:

  The 1979 participation rate for persons 30 and older was .64 per 100. By 1982, the rate had declined to .52 per 100. By 1983, the rate showed recovery to .57 per 100, but was still below the 1979 level.

One of the goals of the higher education forecast for the 1985-1987 biennium is to illustrate the enrollment implications of the declining number of persons in the traditional college age group. Also addressed in the forecast are the declining participation rates for the older higher education target populations, those 23 to 29 years old and those over 30.

This age specific forecast for higher education, presented in Table 1, includes the following assumptions:

- The participation rate for 17 to 22 year olds is assumed to increase from its current level of 10.98 to 11.22 and 11.39 in the Fall of 1985 and 1986 respectively. Even with this increase in the opportunity for higher education, the number of 17 to 22 year olds is projected to drop due to their declining population.

- The declining participation rate of 23 to 29 year olds is assumed to have stabilized at 3.39.

- The participation rates for persons 30 and older are assumed to remain at their present level of 0.57, following recent increases.

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There are three major risks to the higher education forecast: (1) enrollment levels might be larger than those forecasted, (2) enrollment levels might be smaller than those forecasted, and (3) the number of enrollments in specific age groups might be different from the numbers forecasted. The eventual enrollment outcome will depend on the demand for higher education and the recruitment practices of the schools.

The risk of enrolling above forecasted levels could occur if:

- A higher percentage of qualified 17 to 22 year olds enroll, beyond the increased participation rate that is included in the forecast.
- The declining participation rates of the older age groups, which the forecast assumes to have stabilized, reverses its trend and begins to rise.
- The schools slacken their admission standards, which would result in higher participation rates.

The risk of enrolling below forecasted levels could occur if:

- Participation rates for 17 to 22 year olds do not rise, and the shortfall cannot be balanced with more intensive recruitment of older students.
- Participation rates of older age groups continue to decline instead of stabilize.

The risk of enrolling a different age mix than what was forecasted could occur if:

- A shortfall in the enrollment of older students is balanced by even higher participation rates of 17 to 22 year olds.
- A shortfall in the enrollment of younger students is balanced by higher participation rates of the older age groups.

The implications of the risks of over-enrollment or under-enrollment are obviously over-expenditure or under-expenditure. The implications of the risk of enrolling a different age mix than what was forecasted are less apparent. This third risk involves the problems associated with increasing the participation rates of 17 to 22 year olds, such as the possibility of declining admission standards. Additionally, if participation rates do rise substantially, and if the public comes to expect higher participation rates, then the funding problems may be even more difficult when the baby boom echo enters the higher education system in the 1990s.

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SECTION SIX

INDIVIDUAL FOUR-YEAR SCHOOL FORECASTS AND THE COMMUNITY COLLEGE SYSTEM FORECAST

The history and forecast of admission patterns and enrollments are presented in this section for each of the four-year schools and the community college system. An enrollment forecast, which includes a participation rate, and student flow analysis, is presented for each four-year school. An enrollment forecast based on a participation rate analysis is presented for the community college system. Each forecast includes a six year historical trend.

Assumptions

The higher education forecasts provide a balance between the declining traditional college age population and the need to avoid abrupt changes in student admission patterns. To reach this end the following assumptions are used.

- The decline in the participation rates for 23 to 29 year olds and persons 30 and older are stabilized at Fall 1984 levels. This results in a projected increase in students 30 and over. The number of students 23 to 29 years old is expected to decrease slightly because the statewide population for that group is decreasing slightly.

- The student flow forecast is controlled to the enrollment forecast. The actual projections for each of the student flow components are based on the following assumptions.

  - Community college transfers to the four-year schools were held at the Fall 1984 levels. Community college transfers in Fall 1984 are at a five-year high.

  - The remainder of the student flow components were projected using the average between the low and the high rates from the six year history. In only a few cases were minor adjustments needed to balance the separate student flow components with the forecast enrollment levels. This indicates that the stable projection does not cause any abrupt changes in student flow.

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UNIVERSITY OF WASHINGTON

ENROLLMENT HIGHLIGHTS

History

- The variance of the annual average FTE enrollment for FY 1984 was 178, 0.6 percent above the budgeted levels. The variance for FY 1985 is estimated to be 358 FTEs, 1.2 percent above the budgeted levels.

- The Fall 1984 participation rate of 4.34* for persons 17 to 22 years old is the highest in six years. The high participation rate is related to increases in freshman admissions which reached a six year high of 6.1 percent of high school graduates in 1984.

- The participation rate for persons 23 to 29 years old continues its six year decline, decreasing from 2.38 in Fall 1979 to 1.69 in Fall 1984.

- Transfers from the community college system to the University of Washington have decreased over the past six years, from 4.0 percent of the enrollment in Fall 1979 to 3.1 percent of the enrollment in Fall 1984.

- The participation rates for females continue to remain less than that of males 17 to 22 years old and 23 to 29 years old. However, for those over 30, the female participation rate is higher than males.

Forecast

- Total enrollment for the University of Washington is forecast to increase slightly from 29,598 FTEs in FY 1985 to 29,616 FTEs in FY 1986 and 29,624 FTEs in FY 1987. This increase is due to the projected growth at the Richland Joint Center.

- Enrollment growth is expected to stabilize largely due to the projected decrease in freshman admissions. The participation rates for older students are projected to remain at Fall 1984 levels.

*Rate per 100 persons. For example, a rate of 5.0 means that out of each 100 persons in the age group, 5 people will be enrolled.

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FIGURE 6

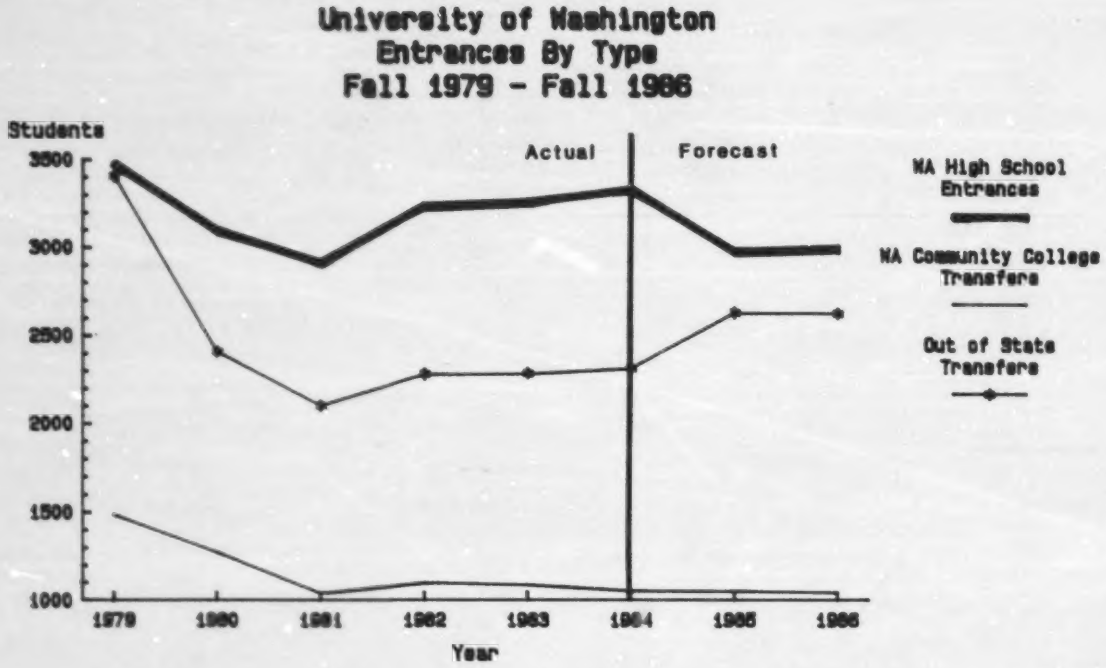

TABLE 6

ANNUAL AVERAGE HEADCOUNT AND FTEs
FY 1971 - FY 1987

	Annual Average Headcount	Annual Average FTEs
FY 1971	32,426	30,531
FY 1972	32,049	30,122
FY 1973	33,182	31,080
FY 1974	33,123	31,051
FY 1975	33,138	30,618
FY 1976	33,660	31,092
FY 1977	33,686	30,982
FY 1978	34,353	31,754
FY 1979	34,171	31,396
FY 1980	34,235	31,737
FY 1981	34,021	31,640
FY 1982	32,243	30,190
FY 1983	32,178	29,850
FY 1984	31,861	29,772
FY 1985*	31,703	29,597
FY 1986**	31,724	29,616
FY 1987**	31,733	29,624

Note: Beginning in FY 1983 the Richland Joint Center for Graduate Study
* FY 1985 is an estimate.
** FY 1986 and FY 1987 is the forecast.
Source: Higher Education Enrollment Reports 1970 - 1984.

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TABLE 7

University of Washington

Student Flow Forecast

(Current FY 1985 budget levels carried forward and rounded)

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
FRESHMAN ENTRANCES	4004	3596	3275	3676	3876	4027	3483	3508
WA High Schools	3481	3097	2912	3240	3263	3335	2976	2998
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0574	0.0515	0.0489	0.0546	0.0578	0.0610	0.0540	0.0539
Out of State High Schools	523	499	363	436	613	692	507	510
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0086	0.0083	0.0061	0.0073	0.0109	0.0127	0.0092	0.0092
TRANSFERS	7790	5615	4650	5256	5270	5281	5790	5768
WA Community Colleges	1482	1273	1039	1101	1086	1050	1049	1040
Community College Academic AA FTE's	37619	40927	42672	39208	38076	38080	38053	37734
Rate	0.0394	0.0311	0.0243	0.0281	0.0285	0.0276	0.0276	0.0276
WA Four Year Institutions	2903	1937	1512	1875	1900	1917	2112	2106
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0365	0.0236	0.0183	0.0235	0.0245	0.0245	0.0270	0.0270
Out of State Institutions	3405	2405	2099	2280	2284	2314	2629	2622
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0428	0.0293	0.0254	0.0286	0.0294	0.0296	0.0336	0.0336
CONTINUING STUDENTS	23300	23361	23296	22385	22021	21801	21885	21888
Continuing Students	23300	23361	23296	22385	22021	21801	21885	21888
UW Previous Fall Heads	36249	37037	36155	34759	34024	33884	34015	34019
Rate	0.6428	0.6307	0.6443	0.6440	0.6472	0.6434	0.6434	0.6434
MISCELLANEOUS	1943	3583	3538	2707	2717	2906	2861	2855
Former Students	1666	3532	3525	2677	2674	2861	2817	2811
Unknown	277	51	13	30	43	45	44	44
FALL HEADCOUNT	37037	36155	34759	34024	33884	34015	34019	34019
AA FTE'S To Fall Heads Rate	0.8569	0.8751	0.8686	0.8748	0.8757	0.8671	0.8671	0.8671
ANNUAL AVERAGE FTE'S								
Subtotal	31737	31640	30190	29764	29673	29496	29500	29500
Richland Joint Center					99	102	116	124
Total					29772	29598	29616	29624

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TABLE 8

University of Washington

Participation Rate Forecast

(Current FY 1985 budget levels carried forward and rounded)

	Actual						Forecast	
Headcount	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	10066	9918	9135	9084	9227	9420	9387	9337
Age 23 to 29	7521	6848	6580	6320	5984	5662	5617	5579
Age 30 and older	2656	2560	2592	2594	2788	2933	3007	3086
Female								
Age 17 to 22	8943	9004	8563	8617	8563	8760	8729	8683
Age 23 to 29	4941	4857	4755	4387	4191	3962	3921	3892
Age 30 and older	2910	2968	3134	3022	3131	3278	3358	3442
Total								
Age 17 to 22	19009	18922	17698	17701	17790	18180	18116	18020
Age 23 to 29	12462	11705	11335	10707	10175	9624	9538	9471
Age 30 and older	5566	5528	5726	5616	5919	6211	6365	6528
AA FTE's								
Subtotal	31737	31640	30190	29764	29673	29496 *	29500	29500
Richland Joint Center					99	102	116	124
Total					29772	29598	29616	29624

* FY 1985 budgeted enrollment assumption.

Participation Rates**

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	4.28	4.12	3.81	3.89	4.13	4.39	4.50	4.55
Age 23 to 29	2.83	2.45	2.28	2.16	2.06	1.94	1.94	1.94
Age 30 and older	0.28	0.26	0.25	0.25	0.26	0.27	0.27	0.27
Female								
Age 17 to 22	4.04	3.97	3.80	3.91	4.03	4.29	4.38	4.44
Age 23 to 29	1.91	1.79	1.70	1.57	1.51	1.44	1.44	1.44
Age 30 and older	0.29	0.28	0.29	0.27	0.27	0.28	0.28	0.28
Total								
Age 17 to 22	4.16	4.05	3.80	3.90	4.08	4.34	4.44	4.50
Age 23 to 29	2.38	2.12	2.00	1.87	1.79	1.69	1.69	1.70
Age 30 and older	0.28	0.27	0.27	0.26	0.27	0.27	0.27	0.27

**Rate per 100 persons.

WASHINGTON STATE UNIVERSITY

ENROLLMENT HIGHLIGHTS

History

- The variance of the annual average FTE enrollment for FY 1984 was 35, 0.2 percent above the budgeted levels. The variance for FY 1985 is estimated to be 109 FTEs, 0.7 percent above the budgeted levels.

- The number of 17 to 22 year olds enrolled at Washington State University declined over the past five years from 12,737 in Fall 1980 to 11,851 in Fall 1984. This decline in 17 to 22 year olds enrollment is related to the decline in the percentage entering of the prior year's high school seniors. In Fall 1982, 4.4 percent of the prior year's high school seniors entered Washington State University and in Fall 1983, 3.9 percent. At the same time the participation rate for this group has increased from 2.68* in Fall 1980 to 2.83 in Fall 1984 due to a decreasing number of traditional college age persons.

- The retention rate, the percentage at which students continue in school, has shown a significant increase over the last six years from 63 percent in Fall 1979 to 67 percent in Fall 1984.

- The participation rate for persons 23 to 29 years old shows a 2 percent increase this fall, breaking a five year — 7 percent point — decline.

- Transfers from the community college system to Washington State University have increased slightly over the past six years, from 4.5 percent of the enrollment in Fall 1979 to 5.3 percent of the enrollment in Fall 1984.

- The participation rates for females continue to remain less than that of males for all ages.

Forecast

- Total enrollment for Washington State University is projected to decline from 16,102 FTEs in FY 1985 to 15,966 FTEs in FY 1986 and 15,974 FTEs in FY 1987. This small decline does not assume any abrupt changes in the student flow components. Small growth is projected for the Richland Joint Center.

*Rate per 100 persons. For example, a rate of 5.0 means that out of each 100 persons in the age group, 5 people will be enrolled.

FIGURE 7

Washington State University
Entrances By Type
Fall 1979 - Fall 1986

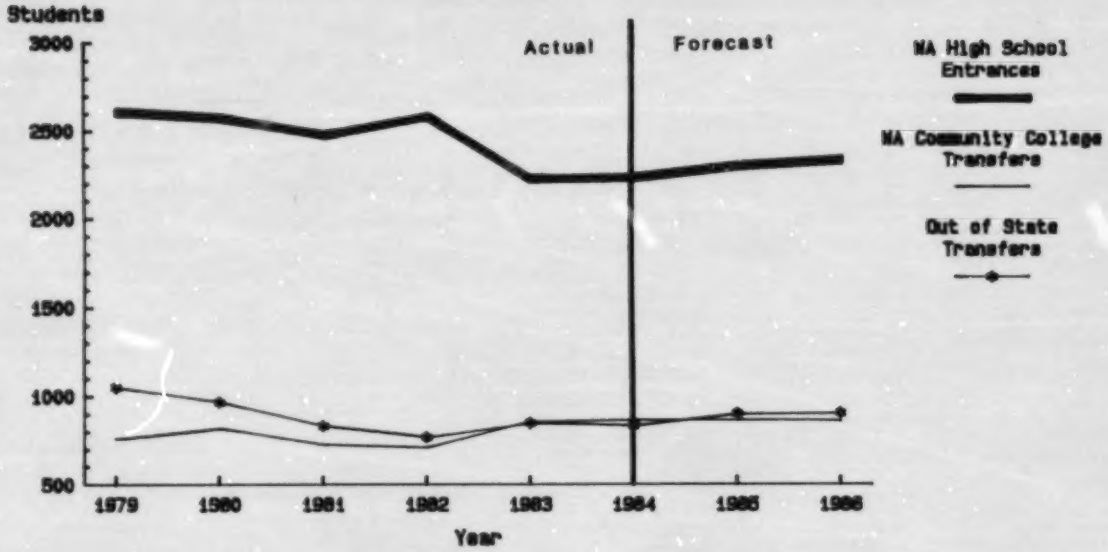

TABLE 9

ANNUAL AVERAGE HEADCOUNT AND FTEs
FY 1971 - FY 1987

	Annual Average Headcount	Annual Average FTEs
FY 1971	14,221	14,182
FY 1972	14,098	14,075
FY 1973	14,150	14,378
FY 1974	14,408	14,532
FY 1975	15,324	15,351
FY 1976	16,184	16,014
FY 1977	16,693	16,467
FY 1978	16,303	16,369
FY 1979	16,316	16,179
FY 1980	16,440	16,714
FY 1981	16,971	17,308
FY 1982	16,345	16,682
FY 1983	16.231	16,381
FY 1984	15,970	16,134
FY 1985*	15,938	16,102
FY 1986**	15,804	15,966
FY 1987**	15,812	15,974

Note: Beginning in FY 1983 the Richland Joint Center for Graduate Study.
* FY 1985 is an estimate.
** FY 1986 and FY 1987 is the forecast.
Source: Higher Education Enrollment Reports 1970 - 1984.

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TABLE 10

Washington State University

Student Flow Forecast

(Assumed a 150 FTE decline)

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
FRESHMAN ENTRANCES	3017	2972	2743	2843	2492	2549	2608	2647
WA High Schools	2610	2572	2475	2585	2222	2234	2301	2336
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0430	0.0428	0.0415	0.0436	0.0394	0.0409	0.0418	0.0420
Out of State High Schools	407	400	268	258	270	315	307	311
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0067	0.0067	0.0045	0.0043	0.0048	0.0058	0.0056	0.0056
TRANSFERS	2237	2220	1960	1843	2154	2172	2187	2185
WA Community Colleges	759	820	725	709	859	868	867	860
Community College Academic AA FTE's	37619	40927	42672	39208	38076	38080	38053	37734
Rate	0.0202	0.0200	0.0170	0.0181	0.0226	0.0228	0.0228	0.0228
WA Four Year Institutions	428	434	404	366	446	472	419	421
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0054	0.0053	0.0049	0.0046	0.0057	0.0060	0.0054	0.0054
Out of State Institutions	1050	966	831	768	849	832	901	904
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0132	0.0118	0.0100	0.0096	0.0109	0.0107	0.0115	0.0116
CONTINUING STUDENTS	10496	11091	11480	11069	10958	10906	10674	10633
Continuing Students	10496	11091	11480	11069	10958	10906	10674	10633
WSU Previous Fall Heads	16679	16748	17236	16826	16565	16261	16305	16152
Rate	0.6293	0.6622	0.6660	0.6579	0.6615	0.6707	0.6546	0.6583
MISCELLANEOUS	998	953	643	810	657	678	683	687
Former Students	483	569	458	639	480	471	474	477
Unknown	515	384	185	171	177	207	209	210
FALL HEADCOUNT	16748	17236	16826	16565	16261	16305	16152	16152
AA FTE'S To Fall Heads Rate	0.9980	1.0042	0.9914	0.9889	0.9861	0.9813	0.9813	0.9813
ANNUAL AVERAGE FTE'S								
Subtotal	16714	17308	16682	16381	16035	16000	15850	15850
Richland Joint Center					99	102	116	124
Total					16134	16102	15966	15974

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TABLE 11

Washington State University

Participation Rate Forecast

(Assumed a 150 FTE decline)

Headcount	Actual Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Forecast Fall 85	Fall 86
Male								
Age 17 to 22	6658	6903	6725	6850	6842	6560	6472	6465
Age 23 to 29	2154	2274	2249	2087	2072	2160	2143	2128
Age 30 and older	710	727	686	655	689	774	794	814
Female								
Age 17 to 22	5765	5834	5741	5639	5279	5291	5220	5215
Age 23 to 29	1006	1040	1007	940	.926	977	967	960
Age 30 and older	455	458	418	394	453	543	556	570
Total								
Age 17 to 22	12423	12737	12466	12489	12121	11851	11692	11680
Age 23 to 29	3160	3314	3256	3027	2998	3137	3110	3088
Age 30 and older	1165	1185	1104	1049	1142	1317	1350	1384
AA FTE's								
Subtotal	16714	17308	16682	16381	16035	16000 *	15850	15850
Richland Joint Center					99	102	116	124
Total					16134	16102	15966	15974

* FY 1985 budgeted enrollment assumption.

Participation Rates**

	Actual Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Forecast Fall 85	Fall 86
Male								
Age 17 to 22	2.83	2.87	2.80	2.94	3.06	3.06	3.10	3.15
Age 23 to 29	0.81	0.81	0.78	0.71	0.71	0.74	0.74	0.74
Age 30 and older	0.08	0.07	0.07	0.06	0.06	0.07	0.07	0.07
Female								
Age 17 to 22	2.60	2.58	2.54	2.56	2.49	2.59	2.62	2.67
Age 23 to 29	0.39	0.38	0.36	0.34	0.33	0.35	0.35	0.35
Age 30 and older	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
Total								
Age 17 to 22	2.72	2.73	2.68	2.75	2.78	2.83	2.87	2.92
Age 23 to 29	0.60	0.60	0.57	0.53	0.53	0.55	0.55	0.55
Age 30 and older	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.06

**Rate per 100 persons.

CENTRAL WASHINGTON UNIVERSITY

ENROLLMENT HIGHLIGHTS

History

- The variance of the annual average FTE enrollment for FY 1984 was 267, 4.6 percent above the budgeted levels. The variance for FY 1985 is estimated to be 223 FTEs, 3.7 percent above the budgeted levels.

- The enrollment and participation rates for persons 17 to 22 years old have increased over the past six years. The participation rate has increased from .84* in Fall 1979 to 1.03 in Fall 1984. Enrollment for this age group over the same period has increased from 3,849 to 4,309.

- The participation rate for persons 30 and older has declined over the past six years from .11 to .06. Enrollment has declined for this group by over 750 students.

- Transfers from the community college system to Central Washington University have increased from 9.1 percent of the enrollment in Fall 1980 to 11.7 percent of the enrollment in Fall 1984.

- The retention rate, the percentage at which students continue in school, has shown a significant increase over the last six years from 49 percent in Fall 1979 to 59 percent in Fall 1984.

- The participation rates for males continue to remain less than that of females 17 to 22 years old and those over 30. However, for 23 to 29 year olds, the male participation rate is higher than females.

Forecast

- Total enrollment for Central Washington University is forecast to remain stable at 5,950 FTEs in FY 1986 and FY 1987.

- To maintain stable enrollment, participation rates for the three higher education target populations are assumed to remain at Fall 1984 levels.

*Rate per 100 persons. For example, a rate of 5.0 means that out of each 100 persons in the age group, 5 people will be enrolled.

FIGURE 8

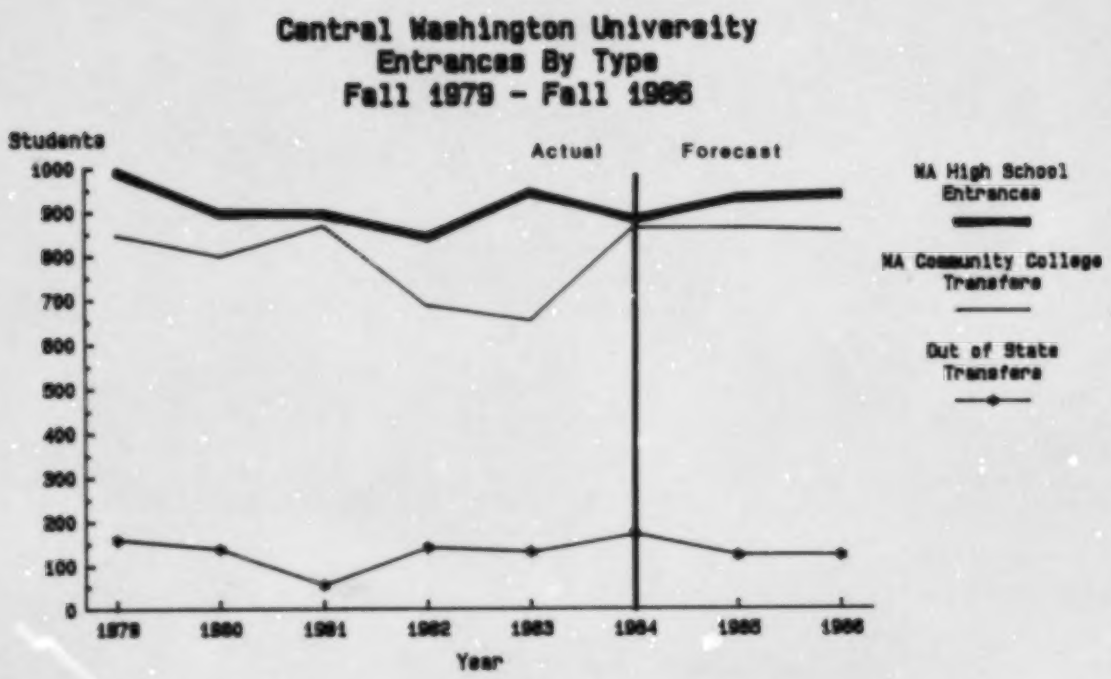

TABLE 12

ANNUAL AVERAGE HEADCOUNT AND FTEs
FY 1971 - FY 1987

	Annual Average Headcount	Annual Average FTEs
FY 1971	7,364	7,429
FY 1972	7,088	7,197
FY 1973	6,450	6,484
FY 1974	6,540	6,146
FY 1975	7,200	6,175
FY 1976	8,119	6,239
FY 1977	8,010	5,928
FY 1978	7,483	5,842
FY 1979	7,413	5,711
FY 1980	7,415	5,895
FY 1981	7,249	5,993
FY 1982	6,806	5,995
FY 1983	6,674	5,949
FY 1984	6,852	6,068
FY 1985*	6,724	5,955
FY 1986**	6,719	5,950
FY 1987**	6,719	5,950

* FY 1985 is an estimate.
** FY 1986 and FY 1987 is the forecast.
Source: Higher Education Enrollment Reports 1970 - 1984.

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TABLE 13

Central Washington University

Student Flow Forecast

(Current FY 1985 budget levels carried forward and rounded)

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
FRESHMAN ENTRANCES	1102	988	924	1009	1001	946	1033	1040
WA High Schools	994	898	895	842	945	883	933	940
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0164	0.0149	0.0150	0.0142	0.0167	0.0161	0.0169	0.0169
Out of State High Schools	108	90	29	167	56	63	100	100
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0018	0.0015	0.0005	0.0028	0.0010	0.0012	0.0018	0.0018
TRANSFERS	1202	1069	1099	995	943	1290	1195	1184
WA Community Colleges	845	797	868	685	651	863	862	854
Community College Academic AA FTE's	37619	40927	42672	39208	38076	38080	38053	37734
Rate	0.0225	0.0195	0.0203	0.0175	0.0171	0.0227	0.0227	0.0227
WA Four Year Institutions	199	135	176	169	162	256	211	209
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0025	0.0016	0.0021	0.0021	0.0021	0.0033	0.0027	0.0027
Out of State Institutions	158	137	55	141	130	171	122	121
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0020	0.0017	0.0007	0.0018	0.0017	0.0022	0.0016	0.0015
CONTINUING STUDENTS	3630	3405	3442	4047	4074	4220	4133	4125
Continuing Students	3630	3405	3442	4047	4074	4220	4133	4125
CWU Previous Fall Heads	7423	7909	7551	7134	6989	7121	7377	7370
Rate	0.4890	0.4305	0.4558	0.5673	0.5829	0.5926	0.5603	0.5597
MISCELLANEOUS	1975	2089	1669	938	1103	921	1009	1021
Former Students	281	162	256	238	290	249	273	287
Unknown	1694	1927	1413	700	813	672	736	734
FALL HEADCOUNT	7909	7551	7134	6989	7121	7377	7370	7370
AA FTE'S To Fall Heads Rate	0.7454	0.7937	0.8403	0.8512	0.8521	0.8072	0.8072	0.8072
ANNUAL AVERAGE FTE'S	5895	5993	5995	5949	6068	5955	5950	5950

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TABLE 14

Central Washington University

Participation Rate Forecast

(Current FY 1985 budget levels carried forward and rounded)

	Actual						Forecast	
Headcount	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	1747	1776	1949	2023	2067	2071	2058	2046
Age 23 to 29	964	962	927	949	975	1006	998	991
Age 30 and older	720	664	512	493	513	549	563	578
Female								
Age 17 to 22	2102	2119	2270	2181	2201	2238	2224	2211
Age 23 to 29	939	795	677	600	645	658	651	646
Age 30 and older	1437	1235	799	743	720	855	876	898
Total								
Age 17 to 22	3849	3895	4219	4204	4268	4309	4282	4257
Age 23 to 29	1903	1757	1604	1549	1620	1664	1649	1637
Age 30 and older	2157	1899	1311	1236	1233	1404	1439	1476
AA FTE's	5895	5993	5995	5949	6068	5955 *	5950	5950

* FY 1985 budgeted enrollment assumption.

Participation Rates**

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	0.74	0.74	0.81	0.87	0.93	0.97	0.99	1.00
Age 23 to 29	0.36	0.34	0.32	0.33	0.34	0.34	0.34	0.34
Age 30 and older	0.08	0.07	0.05	0.05	0.05	0.05	0.05	0.05
Female								
Age 17 to 22	0.95	0.94	1.01	0.99	1.04	1.09	1.12	1.13
Age 23 to 29	0.36	0.29	0.24	0.21	0.23	0.24	0.24	0.24
Age 30 and older	0.14	0.12	0.07	0.07	0.06	0.07	0.07	0.07
Total								
Age 17 to 22	0.84	0.83	0.91	0.93	0.98	1.03	1.05	1.06
Age 23 to 29	0.36	0.32	0.28	0.27	0.29	0.29	0.29	0.29
Age 30 and older	0.11	0.09	0.06	0.06	0.06	0.06	0.06	0.06

**Rate per 100 persons.

EASTERN WASHINGTON UNIVERSITY

ENROLLMENT HIGHLIGHTS

History

- The variance of the annual average FTE enrollment for FY 1984 was 220, 3.1 percent above the budgeted levels. The variance for FY 1985 is estimated to be 190 FTEs, 2.7 percent above the budgeted levels.

- The enrollment and the participation rates for persons 17 to 22 years old have increased over the past six years. Between Fall 1979 and Fall 1984 the participation rate has increased from .86* to 1.06, while the enrollment for this group has increased from 3,945 to 4,447.

- Enrollment of older students at Eastern Washington University has been counter to the trend shown at other four-year schools. While other schools have declined in the enrollment of older students, Eastern Washington University has maintained the enrollment for 23-29 year olds near 2,000 and shown an increase from 1,674 students in Fall 1979 to 2,047 in Fall 1984 for students 30 and older.

- Transfers from the community college system to the University have increased over the past six years, from 7.8 percent of the enrollment in Fall 1979 to 8.1 percent of the enrollment in Fall 1984.

- Eastern Washington University continues to have a high rate of returning former students. Approximately 11.0 percent of the Fall 1984 enrollment is made up of former students.

- The participation rates for males continue to remain less than that of females 17 to 22 years old and those over 30. However, for 23 to 29 year olds, the male participation rate is higher than females.

Forecast

- Enrollment for Eastern Washington University is projected to remain at 7,000 FTEs for FY 1986 and FY 1987. The student flow forecast indicates that this level of enrollment should be attainable by the University.

*Rate per 100 persons. For example, a rate of 5.0 means that out of each 100 persons in the age group, 5 people will be enrolled.

FIGURE 9

Eastern Washington University
Entrances By Type
Fall 1979 - Fall 1988

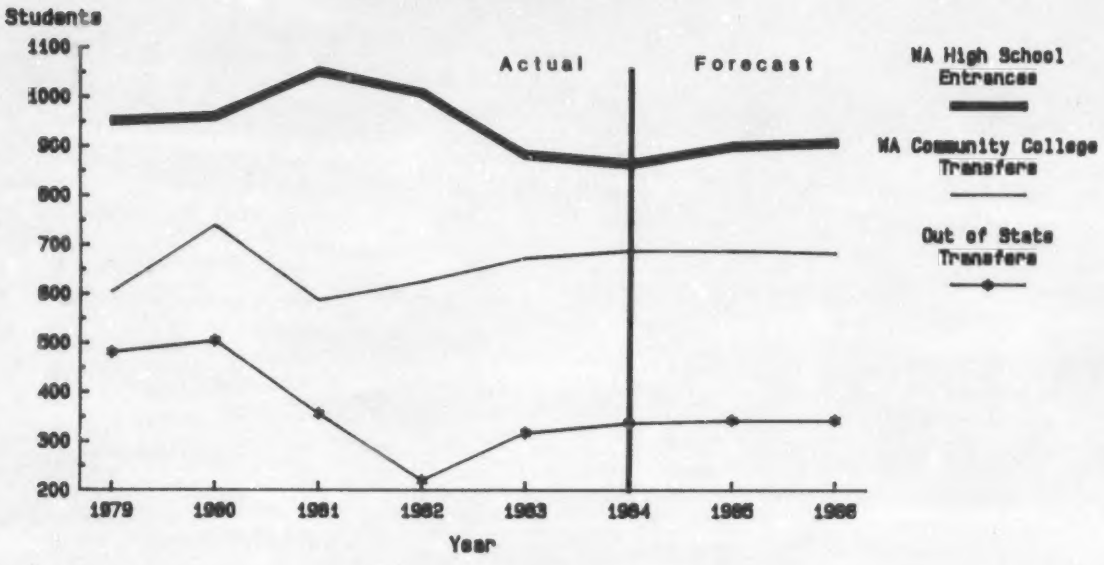

TABLE 15

ANNUAL AVERAGE HEADCOUNT AND FTEs
FY 1971 - FY 1987

	Annual Average Headcount	Annual Average FTEs
FY 1971	6,420	6,503
FY 1972	6,335	6,350
FY 1973	6,433	6,339
FY 1974	6,254	5,996
FY 1975	6,694	6,204
FY 1976	6,732	6,435
FY 1977	7,010	6,322
FY 1978	7,138	6,280
FY 1979	7,164	6,304
FY 1980	7,658	6,774
FY 1981	7,948	7,237
FY 1982	7,604	7,086
FY 1983	7,761	7,126
FY 1984	7,974	7,220
FY 1985*	7,731	7,000
FY 1986**	7,731	7,000
FY 1987**	7,731	7,000

* FY 1985 is an estimate.
** FY 1986 and FY 1987 is the forecast.
Source: Higher Education Enrollment Reports 1970 - 1984.

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TABLE 16

Eastern Washington University

Student Flow Forecast

(Current FY 1985 budget levels carried forward and rounded)

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
FRESHMAN ENTRANCES	1101	1088	1136	1074	945	938	998	1007
WA High Schools	952	961	1052	1007	882	864	901	909
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0157	0.0160	0.0177	0.0170	0.0156	0.0158	0.0164	0.0163
Out of State High Schools	149	127	84	67	63	74	97	98
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0025	0.0021	0.0014	0.0011	0.0011	0.0014	0.0018	0.0018
TRANSFERS	1415	1607	1236	1107	1271	1293	1327	1321
WA Community Colleges	603	739	586	625	673	688	688	682
Community College Academic AA FTE's	37619	40927	42672	39208	38076	38080	38053	37734
Rate	0.0160	0.0181	0.0137	0.0159	0.0177	0.0181	0.0181	0.0181
WA Four Year Institutions	332	364	295	262	281	268	297	297
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0042	0.0044	0.0036	0.0033	0.0036	0.0034	0.0038	0.0038
Out of State Institutions	480	504	355	220	317	337	342	342
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0060	0.0061	0.0043	0.0028	0.0041	0.0043	0.0044	0.0044
CONTINUING STUDENTS	3891	4216	4343	4571	4679	4684	4618	4616
Continuing Students	3891	4216	4343	4571	4679	4684	4618	4616
EWU Previous Fall Heads	7013	7724	8333	7864	8156	8492	8527	8527
Rate	0.5548	0.5458	0.5212	0.5813	0.5737	0.5516	0.5416	0.5413
MISCELLANEOUS	1317	1422	1149	1404	1597	1612	1584	1583
Former Students	735	861	631	835	866	937	921	920
Unknown	582	561	518	569	731	675	663	663
FALL HEADCOUNT	7724	8333	7864	8156	8492	8527	8527	8527
AA FTE'S To Fall Heads Rate	0.8770	0.8685	0.9011	0.8737	0.8502	0.8209	0.8209	0.8209
ANNUAL AVERAGE FTE'S	6774	7237	7086	7126	7220	7000	7000	7000

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TABLE 17

Eastern Washington University

Participation Rate Forecast

(Current FY 1985 budget levels carried forward and rounded)

Headcount	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	1765	1972	2056	2108	2103	2006	1992	1974
Age 23 to 29	1169	1225	1151	1162	1170	1155	1146	1138
Age 30 and older	685	759	620	675	771	806	826	848
Female								
Age 17 to 22	2180	2359	2400	2431	2520	2441	2423	2402
Age 23 to 29	936	978	855	825	806	878	869	862
Age 30 and older	989	1040	782	955	1122	1241	1271	1303
Total								
Age 17 to 22	3945	4331	4456	4539	4623	4447	4415	4376
Age 23 to 29	2105	2202	2006	1987	1976	2033	2015	2000
Age 30 and older	1674	1799	1402	1630	1893	2047	2097	2151
AA FTE's	6774	7237	7086	7126	7220	7000 *	7000	7000

* FY 1985 budgeted enrollment assumption.

Participation Rates**

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	0.75	0.82	0.86	0.90	0.94	0.94	0.95	0.96
Age 23 to 29	0.44	0.44	0.40	0.40	0.40	0.40	0.40	0.40
Age 30 and older	0.07	0.08	0.06	0.06	0.07	0.07	0.07	0.07
Female								
Age 17 to 22	0.98	1.04	1.06	1.10	1.19	1.19	1.22	1.23
Age 23 to 29	0.36	0.36	0.31	0.29	0.29	0.32	0.32	0.32
Age 30 and older	0.10	0.10	0.07	0.09	0.10	0.11	0.11	0.11
Total								
Age 17 to 22	0.86	0.93	0.96	1.00	1.06	1.06	1.08	1.09
Age 23 to 29	0.40	0.40	0.35	0.35	0.35	0.36	0.36	0.36
Age 30 and older	0.09	0.09	0.07	0.08	0.09	0.09	0.09	0.09

**Rate per 100 persons.

THE EVERGREEN STATE COLLEGE

ENROLLMENT HIGHLIGHTS

History

- The variance of the annual average FTE enrollment for FY 1984 was 156, 7.1 percent above the budgeted levels. The variance for FY 1985 is estimated to be 35 FTEs, 1.5 percent above the budgeted levels.

- The Evergreen State College opened in FY 1972.

- The entrance patterns at The Evergreen State College are different than other four year schools. Community college transfers and out of state transfers are its major sources of enrollment, making up respectively 28 percent and 20 percent of its entrances in Fall 1984.

- The Evergreen State College is counter to trend in that it has not experienced the declining enrollment or participation rates for persons 23 to 29 years old and 30 and older.

- Freshman entrances in Fall 1984 show a significant increase compared to the previous trend. Two hundred eleven freshman enrolled at The Evergreen State College in 1984, nearly double any freshman entrances in the past five years.

Forecast

- The Evergreen State College is projected to increase 59 FTEs in FY 1986 and 50 FTEs in FY 1987. These increases are consistent with the policy to have more cost effective enrollment levels at this college.

FIGURE 10

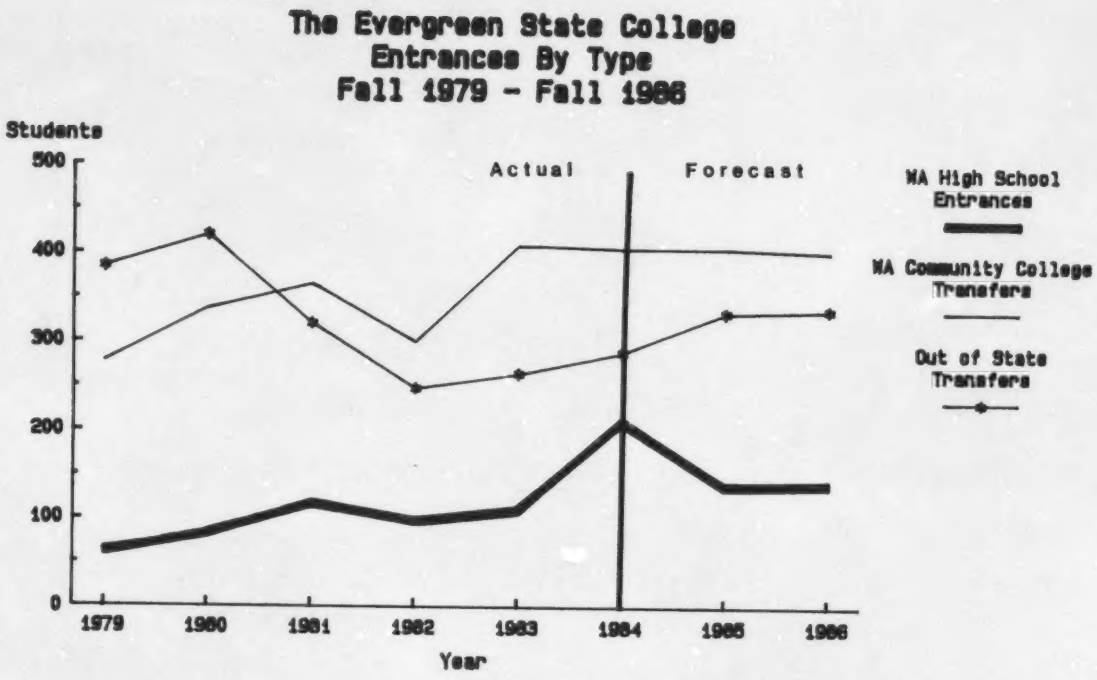

TABLE 18

ANNUAL AVERAGE HEADCOUNT AND FTEs
FY 1971 - FY 1987

	Annual Average Headcount	Annual Average FTEs
FY 1971	NA	NA
FY 1972	1,090	1,055
FY 1973	1,952	1,886
FY 1974	2,159	2,206
FY 1975	2,279	2,343
FY 1976	2,360	2,383
FY 1977	2,530	2,399
FY 1978	2,472	2,303
FY 1979	2,197	2,034
FY 1980	2,459	2,175
FY 1981	2,659	2,388
FY 1982	2,626	2,432
FY 1983	2,514	2,267
FY 1984	2,621	2,365
FY 1985*	2,622	2,366
FY 1986**	2,687	2,425
FY 1987**	2,743	2,475

* FY 1985 is an estimate.
** FY 1986 and FY 1987 is the forecast.
Source: Higher Education Enrollment Reports 1970 - 1984.

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TABLE 19

The Evergreen State College

Student Flow Forecast

(FTE's increased to 2425 the first year and 2475 the second)

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
FRESHMAN ENTRANCES	201	186	232	174	181	281	238	244
WA High Schools	62	83	117	97	110	211	137	140
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0010	0.0014	0.0020	0.0016	0.0019	0.0039	0.0025	0.0025
Out of State High Schools	139	103	115	77	71	70	101	104
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0023	0.0017	0.0019	0.0013	0.0013	0.0013	0.0018	0.0019
TRANSFERS	820	938	841	699	821	857	903	904
WA Community Colleges	277	337	365	299	409	405	405	401
Community College Academic AA FTE's	37619	40927	42672	39208	38076	38080	38053	37734
Rate	0.0074	0.0082	0.0086	0.0076	0.0107	0.0106	0.0106	0.0106
WA Four Year Institutions	159	181	156	153	148	164	165	167
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0020	0.0022	0.0019	0.0019	0.0019	0.0021	0.0021	0.0021
Out of State Institutions	384	420	320	247	264	288	333	336
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0048	0.0051	0.0039	0.0031	0.0034	0.0037	0.0043	0.0043
CONTINUING STUDENTS	1087	1283	1385	1358	1345	1379	1436	1486
Continuing Students	1087	1283	1385	1358	1345	1379	1436	1486
TESC Previous Fall Heads	2322	2514	2805	2766	2611	2717	2826	2896
Rate	0.4681	0.5103	0.4938	0.4910	0.5151	0.5075	0.5081	0.5131
MISCELLANEOUS	406	398	308	380	370	309	319	322
Former Students	261	276	224	242	283	305	315	318
Unknown	145	122	84	138	87	4	4	4
FALL HEADCOUNT	2514	2805	2766	2611	2717	2826	2896	2956
AA FTE'S To Fall Heads Rate	0.8652	0.8513	0.8792	0.8682	0.8704	0.8372	0.8372	0.8372
ANNUAL AVERAGE FTE'S	2175	2388	2432	2267	2365	2366	2425	2475

TABLE 20

The Evergreen State College

Participation Rate Forecast

(FTE's increased to 2425 the first year and 2475 the second)

	Actual						Forecast	
Headcount	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	540	538	562	470	472	511	537	557
Age 23 to 29	443	501	451	434	449	429	426	423
Age 30 and older	216	249	295	346	389	445	456	468
Female								
Age 17 to 22	582	649	606	550	545	527	554	574
Age 23 to 29	355	408	405	353	365	376	372	369
Age 30 and older	378	460	447	458	497	538	551	565
Total								
Age 17 to 22	1122	1167	1168	1020	1017	1038	1091	1131
Age 23 to 29	798	909	856	787	814	805	798	792
Age 30 and older	594	709	742	804	886	983	1007	1033
AA FTE's	2175	2388	2432	2267	2365	2366 *	2425	2475

* FY 1985 budgeted enrollment assumption.

Participation Rates**

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	0.23	0.22	0.23	0.20	0.21	0.24	0.26	0.27
Age 23 to 29	0.17	0.18	0.16	0.15	0.15	0.15	0.15	0.15
Age 30 and older	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04
Female								
Age 17 to 22	0.26	0.29	0.27	0.25	0.26	0.26	0.28	0.29
Age 23 to 29	0.14	0.15	0.15	0.13	0.13	0.14	0.14	0.14
Age 30 and older	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
Total								
Age 17 to 22	0.25	0.25	0.25	0.22	0.23	0.25	0.27	0.28
Age 23 to 29	0.15	0.16	0.15	0.14	0.14	0.14	0.14	0.14
Age 30 and older	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04

**Rate per 100 persons.

WESTERN WASHINGTON UNIVERSITY

ENROLLMENT HIGHLIGHTS

History

- The variance of the annual average FTE enrollment for FY 1984 was 355, 4.3 percent above the budgeted levels. The variance for FY 1985 is estimated to be 20 FTEs, 0.2 percent above the budgeted levels.

- The participation rate for persons 17 to 22 years old has not increased as the other four-year schools. Except for Fall 1982, when the participation rate and freshman entrances dipped, the participation rate for this group has remained near 1.50*.

- The enrollment and participation rates for persons 23 to 29 years old continue a six year decline. Between Fall 1979 and Fall 1984, the participation rate has decreased from .43 to .35, while the enrollment for this group has decreased by 237 since Fall 1979.

- Transfers from the community college system to Western Washington University have increased from the Fall 1979 level of 7.8 percent of the enrollment to 9.6 percent of the Fall 1984 enrollment.

- The participation rates for males continue to remain less than that of females 17 to 22 years old and those over 30. However, for 23 to 29 year olds, the male participation rate is higher than females.

Forecast

- Enrollment for Western Washington University is projected to remain at 8,250 FTEs for FY 1986 and FY 1987. The student flow forecast indicates that this level of enrollment should be attainable by the University.

*Rate per 100 persons. For example, a rate of 5.0 means that out of each 100 persons in the age group, 5 people will be enrolled.

FIGURE 11

Western Washington University
Entrances By Type
Fall 1979 - Fall 1986

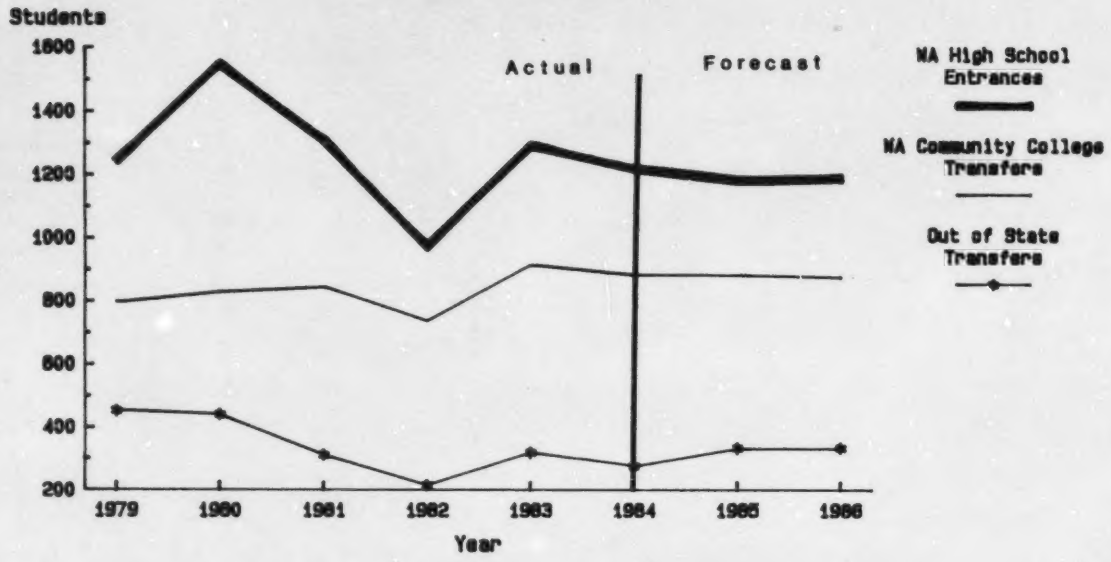

TABLE 21

ANNUAL AVERAGE HEADCOUNT AND FTEs
FY 1971 - FY 1987

	Annual Average Headcount	Annual Average FTEs
FY 1971	9,507	9,266
FY 1972	9,149	9,461
FY 1973	8,254	8,309
FY 1974	7,986	7,720
FY 1975	8,493	7,974
FY 1976	9,116	8,431
FY 1977	8,939	8,377
FY 1978	9,191	8,567
FY 1979	9,551	8,918
FY 1980	9,849	9,192
FY 1981	10,129	9,598
FY 1982	9,733	9,383
FY 1983	9,026	8,525
FY 1984	9,215	8,605
FY 1985*	8,835	8,250
FY 1986**	8,835	8,250
FY 1987**	8,835	8,250

* FY 1985 is an estimate.
** FY 1986 and FY 1987 is the forecast.
Source: Higher Education Enrollment Reports 1970 - 1984.

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TABLE 22

Western Washington University

Student Flow Forecast

(Current FY 1985 budget levels carried forward and rounded)

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
FRESHMAN ENTRANCES	1393	1702	1411	1031	1381	1301	1281	1292
WA High Schools	1244	1548	1309	972	1293	1218	1181	1191
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0205	0.0258	0.0220	0.0164	0.0229	0.0223	0.0214	0.0214
Out of State High Schools	149	154	102	59	88	83	100	101
WA Seniors Previous Fall	60662	60089	59569	59343	56452	54686	55084	55600
Rate	0.0025	0.0026	0.0017	0.0010	0.0016	0.0015	0.0018	0.0018
TRANSFERS	1548	1583	1480	1226	1523	1361	1473	1466
WA Community Colleges	795	829	845	735	914	881	880	873
Community College Academic AA FTE's	37619	40927	42672	39208	38076	38080	38053	37734
Rate	0.0211	0.0203	0.0198	0.0187	0.0240	0.0231	0.0231	0.0231
WA Four Year Institutions	302	315	324	276	290	204	260	260
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0038	0.0038	0.0039	0.0035	0.0037	0.0026	0.0033	0.0033
Out of State Institutions	451	439	311	215	319	276	333	333
4-Year Ins. Prev. Fall Heads	79486	82036	82696	79640	77697	78092	78194	78108
Rate	0.0057	0.0054	0.0038	0.0027	0.0041	0.0035	0.0043	0.0043
CONTINUING STUDENTS	5846	6090	6356	6161	5898	5809	5706	5702
Continuing Students	5846	6090	6356	6161	5898	5809	5706	5702
WWU Previous Fall Heads	9800	10104	10616	10291	9352	9617	9144	9144
Rate	0.5965	0.6027	0.5987	0.5987	0.6307	0.6040	0.6240	0.6236
MISCELLANEOUS	1317	1241	1044	934	815	673	684	684
Former Students	1139	1144	1009	890	778	666	677	677
Unknown	178	97	35	44	37	7	7	7
FALL HEADCOUNT	10104	10616	10291	9352	9617	9144	9144	9144
AA FTE'S To Fall Heads Rate	0.9097	0.9041	0.9118	0.9116	0.8948	0.9022	0.9022	0.9022
ANNUAL AVERAGE FTE'S	9192	9598	9383	8525	8605	8250	8250	8250

TABLE 23

Western Washington University

Participation Rate Forecast

(Current FY 1985 budget levels carried forwerd and rounded)

	Actual						Forecast	
Headcount	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	2951	3164	3068	2785	2968	2786	2783	2778
Age 23 to 29	1339	1364	1367	1372	1299	1240	1230	1222
Age 30 and older	576	523	446	402	483	421	432	443
Female								
Age 17 to 22	3580	3872	3920	3457	3539	3391	3388	3382
Age 23 to 29	906	986	896	853	824	768	760	754
Age 30 and older	752	707	594	483	504	530	551	565
Total								
Age 17 to 22	6531	7036	6988	6242	6507	6177	6171	6160
Age 23 to 29	2245	2350	2263	2225	2123	2008	1990	1976
Age 30 and older	1328	1230	1040	885	987	959	983	1008
AA FTE's	9192	9598	9383	8525	8605	8250 *	8250	8250

* FY 1985 budgeted enrollment assumption.

Participation Rates**

	Actual						Forecast	
	Fall 79	Fall 80	Fall 81	Fall 82	Fall 83	Fall 84	Fall 85	Fall 86
Male								
Age 17 to 22	1.25	1.32	1.28	1.19	1.33	1.30	1.33	1.35
Age 23 to 29	0.50	0.49	0.47	0.47	0.45	0.42	0.42	0.42
Age 30 and older	0.06	0.05	0.04	0.04	0.05	0.04	0.04	0.04
Female								
Age 17 to 22	1.62	1.71	1.74	1.57	1.67	1.66	1.70	1.73
Age 23 to 29	0.35	0.36	0.32	0.30	0.30	0.28	0.28	0.28
Age 30 and older	0.07	0.07	0.05	0.04	0.04	0.05	0.05	0.05
Total								
Age 17 to 22	1.43	1.51	1.50	1.38	1.49	1.47	1.51	1.54
Age 23 to 29	0.43	0.43	0.40	0.39	0.37	0.35	0.35	0.35
Age 30 and older	0.07	0.06	0.05	0.04	0.04	0.04	0.04	0.04

**Rate per 100 persons.

COMMUNITY COLLEGE SYSTEM

ENROLLMENT HIGHLIGHTS

History

- The variance of the annual average FTE enrollment for FY 1984 was 683, 0.8 percent under the budgeted levels. The variance for FY 1985 is estimated to be 702 FTEs, 0.8 above the budgeted levels.

- The participation rates for the older age groups — 23-29 year olds and persons 30 and over — have stabilized following the budget adjustments made in FY 1982 near 4.8*. Enrollment has stabilized near 83,300.

- The decline in the enrollment and participation rate for the 17 to 22 year olds in 1983-1984 and 1984-1985 seems to be due to competition with military recruitment and the four-year schools.

- The academic program remains the largest of the three categories of enrollment. The academic program comprises about 46 percent of the enrollment with 38,080 FTEs in FY 1984.

- The vocational skills program makes up about 43 percent of enrollment with 35,312 FTEs in FY 1984. This area shows high demand continuing for "high tech" programs. There is lower demand for the traditional trade programs such as construction, automotive, diesel, and welding.

- The basic skills program makes up about 11 percent of enrollment with 8,925 FTEs in FY 1984. This area includes adult basic education, English as a second language, and remedial programs. Basic skills enrollment has increased 14.6 percent between FY 1983 and FY 1984.

Forecast

- The forecast for the community college system assumes stable FTE enrollment of 83,300 for FY 1986 and FY 1987. This forecast retains the recent growth to 10,139 FTEs in the basic skills programs. Academic programs are forecast for 37,733 FTEs and the vocational programs are forecast for 35,128 FTEs.

- The forecast assumes stable participation rates for 23 to 29 year olds and persons 30 and over. This allows a slight increase in the participation rate for 17 to 22 year olds. If the increased competition impedes the assumed enrollment for 17 to 22 year olds in the community colleges, there may be proportional growth in the older age groups.

*Rate per 100 persons. For example, a rate of 5.0 means that out of each 100 persons in the age group, 5 people will be enrolled.

FIGURE 12

The Community College System
FTE Participation Rates By Age
FY 1980 - FY 1987

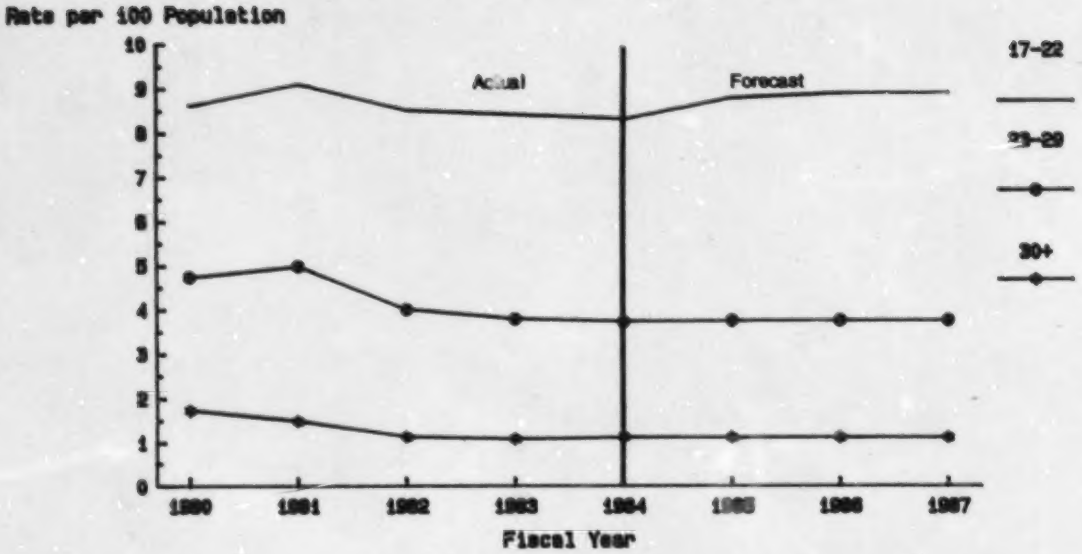

TABLE 24

STATE SUPPORTED ANNUAL AVERAGE FTE ENROLLMENTS
FY 1972 - FY 1987

	Academic	Vocational	Basic Skills	High Tech	Total
FY 1972	39,672	26,503	NA	NA	66,175
FY 1973	39,081	30,792	NA	NA	69,873
FY 1974	40,008	34,054	NA	NA	74,062
FY 1975	43,003	38,414	NA	NA	81,417
FY 1976	44,938	40,202	NA	NA	85,140
FY 1977	42,720	40,570	NA	NA	83,290
FY 1978	38,093	40,535	7,038	NA	85,666
FY 1979	37,618	43,124	7,450	NA	88,192
FY 1980	40,927	46,426	10,495	NA	97,848
FY 1981	42,672	45,303	12,382	NA	100,357
FY 1982	39,208	38,947	7,946	NA	86,101
FY 1983	38,076	36,076	7,957	NA	82,109
FY 1984	38,080	35,312	8,925	111	82,428
FY 1985*	37,733	35,128	10,139	300	83,300
FY 1986**	37,733	35,128	10,139	300	83,300
FY 1987**	37,733	35,128	10,139	300	83,300

* Estimate
** Forecast
Source: State Board for Community College Education

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TABLE 25

Community College Forecast

(Assuming FY1985 Budget Levels Carried Forward)

	Actual					Estimate	Forecast	
Population	79-80	80-81	81-82	82-83	83-84	84-85	85-86	86-87
17-22	456713	467078	465423	453712	435748	418951	407869	400508
23-29	524045	551549	568020	571624	567454	567882	562719	558691
30+	1956136	2048465	2118691	2164955	2207975	2260932	2316839	2376304
Participation Rate								
17-22	8.6083	9.0587	8.4987	8.3500	8.3440	8.7507	8.8845	8.9212
23-29	4.7444	4.9928	4.0048	3.7830	3.7296	3.7576	3.7576	3.7576
30+	1.7212	1.4894	1.1232	1.0731	1.1229	1.1057	1.1057	1.1057
AA FTE's								
17-22	39315	42311	39555	37885	36359	36661	36237	35730
23-29	24863	27538	22748	21488	21164	21339	21145	20994
30+	33669	30509	23798	22736	24794	25000	25618	26276
Subtotal	97847	100358	86101	82109	82317	83000	83000	83000
High Technology FTE's					111	300	300	300
Total					82428	83300	83300	83300

APPENDIX ONE

FIGURE 1

The Community College System
Percent Variance Of Actual From Budget Target
Annual Average FTEs FY 1976 - FY 1985

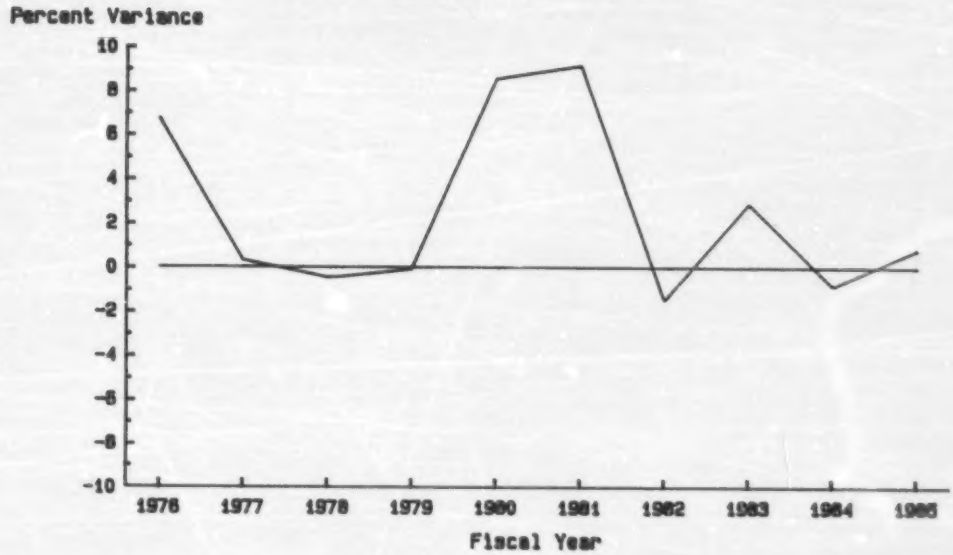

TABLE 1

Variance of Actual From Budget Target
State Supported Annual Average FTE Enrollments
FY 1976 - FY 1985

	Budget Target	Actual	Variance	Percent Variance
FY 1976	79781	85140	5359	6.72%
FY 1977	83045	83290	245	0.30%
FY 1978	86072	85666	-406	-0.47%
FY 1979	88243	88192	-51	-0.06%
FY 1980	90101	97848	7747	8.60%
FY 1981	91903	100357	8454	9.20%
FY 1982	87400	86101	-1299	-1.49%
FY 1983	79789	82109	2320	2.91%
FY 1984	83000	82317	-683	-0.82%
FY 1985*	83000	83702	702	0.85%

* The variance for FY 1985 is estimated.

Source: State Board For Community College Education

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FIGURE 2

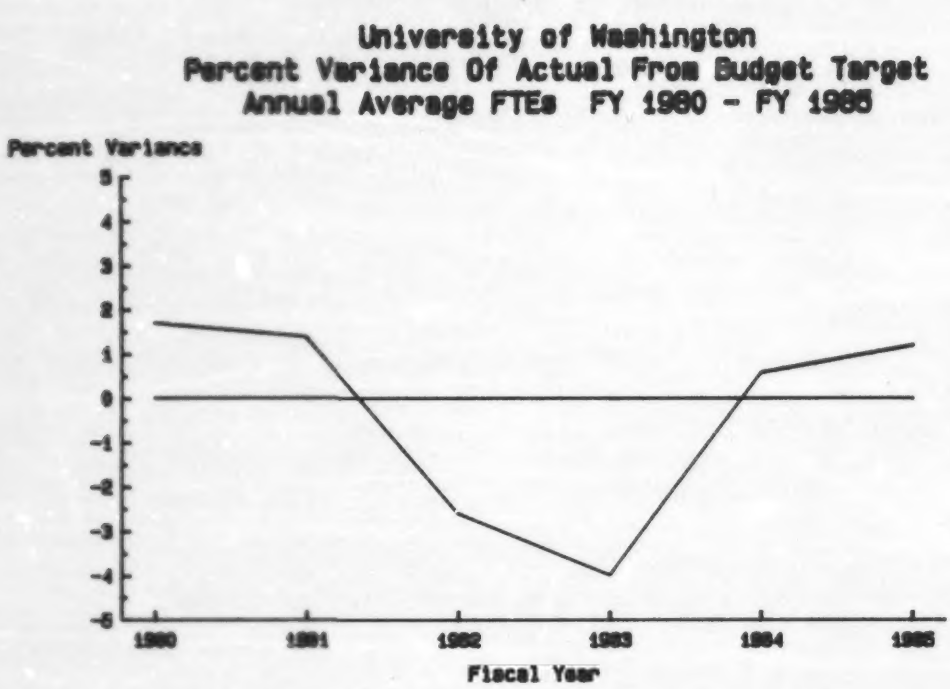

TABLE 2

Variance of Actual From Budget Target
Annual Average FTE Enrollments
FY 1980 - FY 1985

	Budget Target	Actual	Variance	Percent Variance
FY 1980	31210	31737	527	1.69%
FY 1981	31210	31640	430	1.38%
FY 1982	31000	30190	-810	-2.61%
FY 1983	31000	29764	-1236	-3.99%
FY 1984	29496	29673	177	0.60%
FY 1985*	29496	29854	358	1.21%

* The variance for FY 1985 is estimated.

Source: Four-year Universities and College

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FIGURE 3

Washington State University
Percent Variance Of Actual From Budget Target
Annual Average FTEs FY 1980 - FY 1985

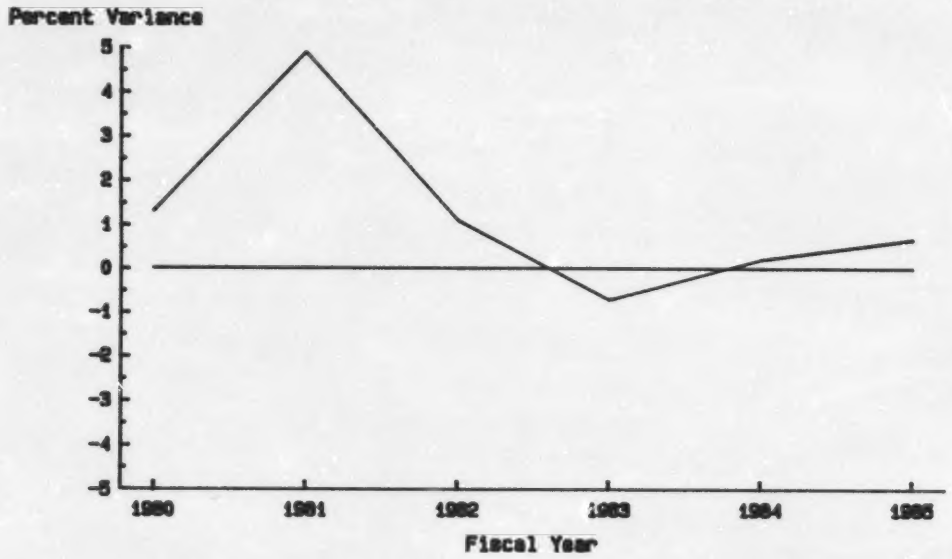

TABLE 3

Variance of Actual From Budget Target
Annual Average FTE Enrollments
FY 1980 - FY 1985

	Budget Target	Actual	Variance	Percent Variance
FY 1980	16500	16714	214	1.30%
FY 1981	16500	17308	808	4.90%
FY 1982	16500	16682	182	1.10%
FY 1983	16500	16381	-119	-0.72%
FY 1984	16000	16035	35	0.22%
FY 1985*	16000	16109	109	0.68%

* The variance for FY 1985 is estimated.

Source: Four-year Universities and College

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FIGURE 4

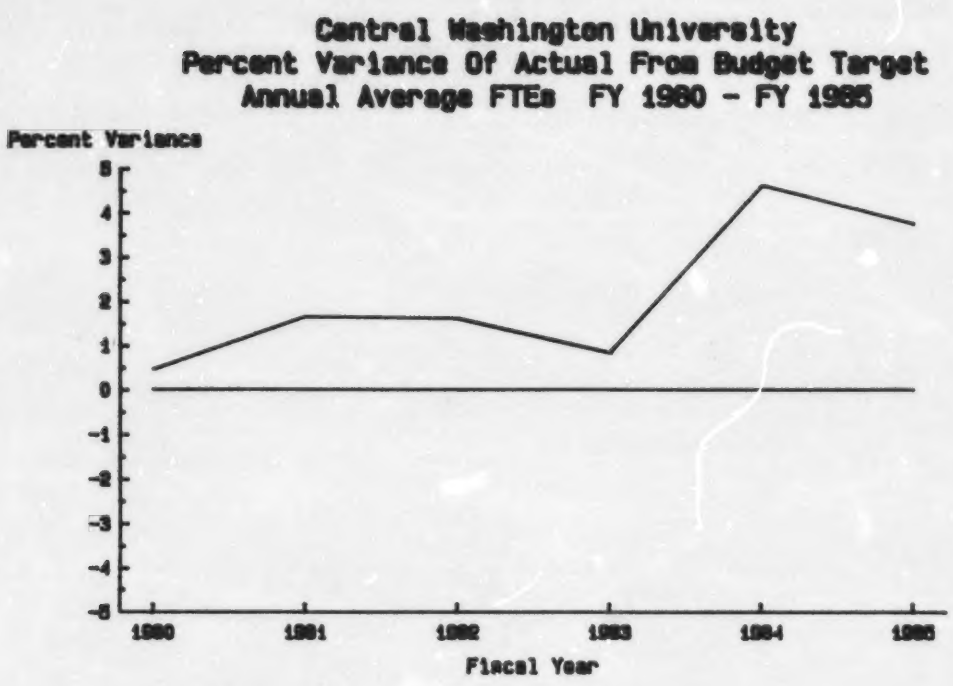

TABLE 4

Variance of Actual From Budget Target
Annual Average FTE Enrollments
FY 1980 - FY 1985

	Budget Target	Actual	Variance	Percent Variance
FY 1980	5868	5895	27	0.46%
FY 1981	5895	5993	98	1.66%
FY 1982	5900	5995	95	1.61%
FY 1983	5900	5949	49	0.83%
FY 1984	5800	6068	268	4.62%
FY 1985*	5955	6178	223	3.74%

* The variance for FY 1985 is estimated.

Source: Four-year Universities and College

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FIGURE 5

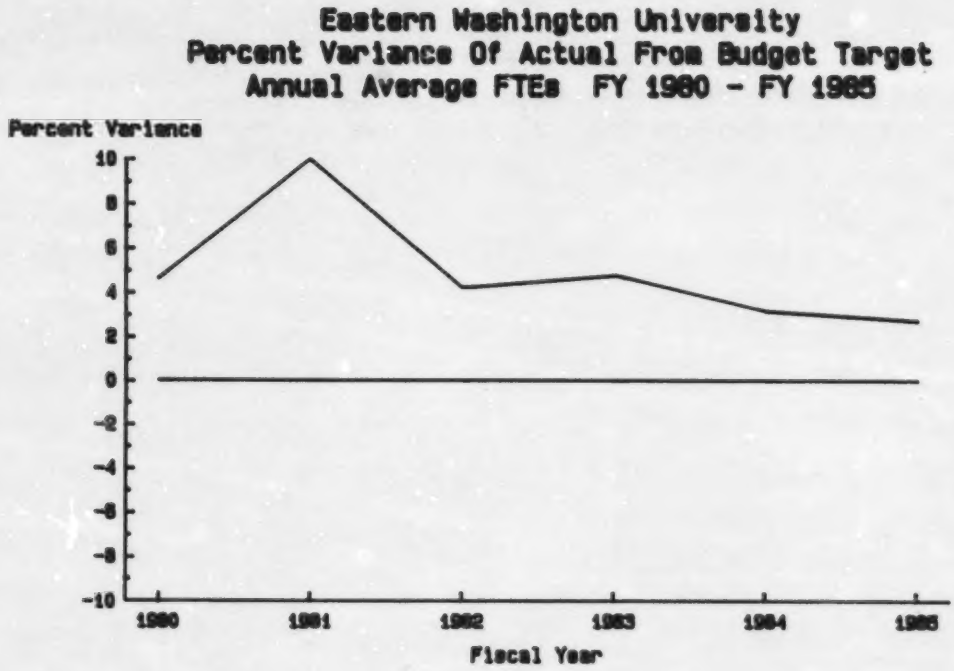

TABLE 5

Variance of Actual From Budget Target
Annual Average FTE Enrollments
FY 1980 - FY 1985

	Budget Target	Actual	Variance	Percent Variance
FY 1980	6475	6774	299	4.62%
FY 1981	6575	7237	662	10.07%
FY 1982	6800	7086	286	4.21%
FY 1983	6800	7126	326	4.79%
FY 1984	7000	7220	220	3.14%
FY 1985*	7000	7190	190	2.71%

* The variance for FY 1985 is estimated.

Source: Four-year Universities and College

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FIGURE 6

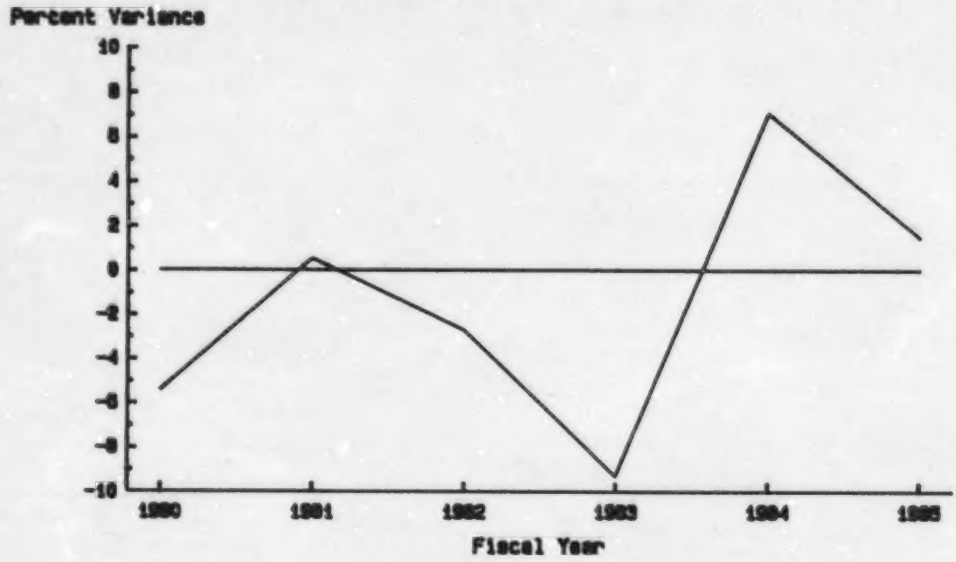

TABLE 6

Variance of Actual From Budget Target
Annual Average FTE Enrollments
FY 1980 - FY 1985

	Budget Target	Actual	Variance	Percent Variance
FY 1980	2300	2175	-125	-5.43%
FY 1981	2375	2388	13	0.55%
FY 1982	2500	2432	-68	-2.72%
FY 1983	2500	2267	-233	-9.32%
FY 1984	2209	2365	156	7.06%
FY 1985*	2366	2401	35	1.48%

* The variance for FY 1985 is estimated.

Source: Four-year Universities and College

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FIGURE 7

Western Washington University
Percent Variance Of Actual From Budget Target
Annual Average FTEs FY 1980 - FY 1985

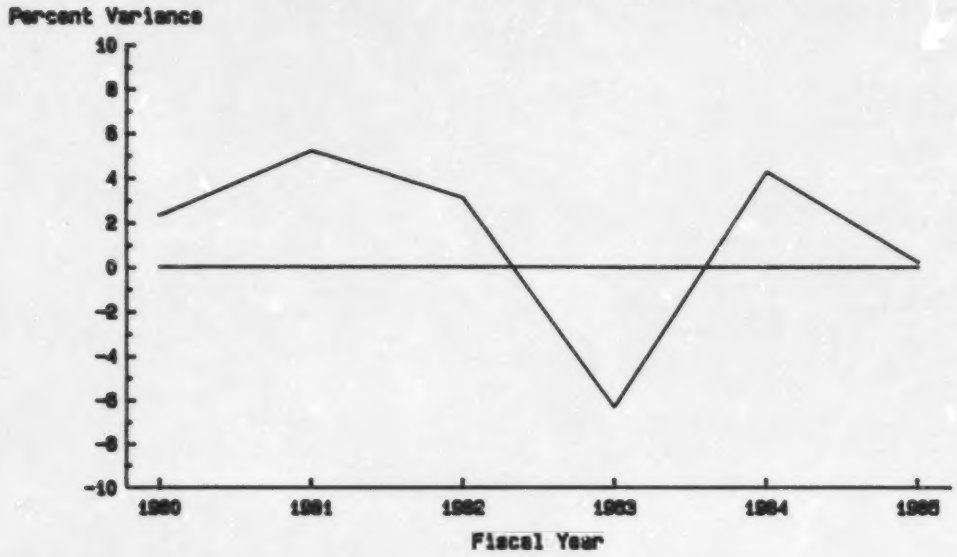

TABLE 7

Variance of Actual From Budget Target
Annual Average FTE Enrollments
FY 1980 - FY 1985

	Budget Target	Actual	Variance	Percent Variance
FY 1980	8984	9192	208	2.32%
FY 1981	9120	9598	478	5.24%
FY 1982	9100	9383	283	3.11%
FY 1983	9100	8525	-575	-6.32%
FY 1984	8250	8605	355	4.30%
FY 1985*	8250	8270	20	0.24%

* The variance for FY 1985 is estimated.

Source: Four-year Universities and College

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FIGURE 8

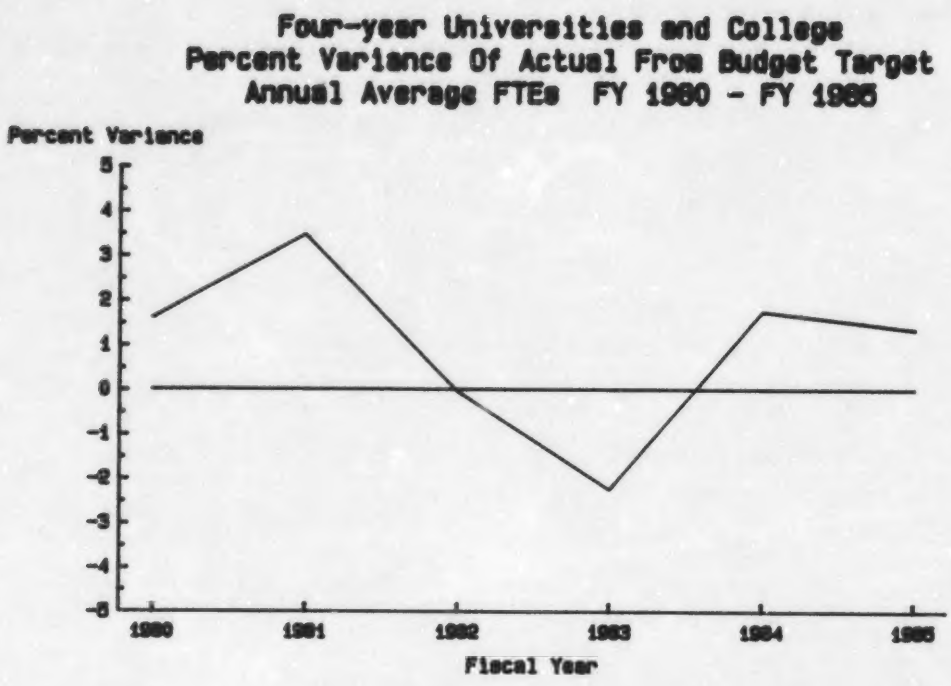

TABLE 8

Variance of Actual From Budget Target
Annual Average FTE Enrollments
FY 1980 - FY 1985

	Budget Target	Actual	Variance	Percent Variance
FY 1980	71337	72487	1150	1.61%
FY 1981	71675	74164	2489	3.47%
FY 1982	71800	71768	-32	-0.04%
FY 1983	71800	70184	-1616	-2.25%
FY 1984	68755	69966	1211	1.76%
FY 1985*	69067	70002	935	1.35%

* The variance for FY 1985 is estimated.

Source: Four-year Universities and College

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APPENDIX TWO

TABLE 1

Washington State
Population By Age

Age	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
17-22	382228	385513	389256	393923	405368	416100	422771	433584	445725	456713
23-29	348787	367221	377327	389485	409475	430775	458592	472869	495505	524045
30 and older	1587615	1598874	1601198	1621369	1661483	1698179	1736477	1795686	1871217	1956136

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
17-22	467078	465423	453712	435748	418951	407869	400508	398501	400634	399510
23-29	551549	568020	571624	567454	567882	562719	558691	554332	547258	537903
30 and older	2048465	2118691	2164955	2207975	2260932	2316839	2376304	2438961	2504473	2571611

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
17-22	397478	394215	389498	382778	377677	382216	391984	409897	426126	444009
23-29	526923	515167	511840	510910	511862	507835	505083	502299	501502	498132
30 and older	2642313	2714567	2782287	2851252	2919049	2983740	3044315	3103577	3162956	3226333

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
17-22	459678	473973	487132	493880	500766	504698	508672	512383	514750	516255	517002
23-29	493395	489544	497309	515602	535967	557301	577297	594998	612327	627796	635840
30 and older	3293486	3361251	3419752	3474425	3526949	3581202	3636819	3694859	3754362	3816365	3885728

Source: OFM November 1984 Population Forecast
OFM 1970 - 1980 Intercensal Estimates

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